

ATTACHMENT 4 BUDGET



Cosumnes, American, Bear & Yuba River Integrated Regional Water Management

ATTACHMENT 4 INTRODUCTION TO THE BUDGET

The following section provides detailed budget forms as required by the grant program guidelines, PSP, Round 1 – Implementation Grant (August, 2010).

Each budget has been prepared by the project sponsor and provides a level of details that is commensurate with the design stage of the project. In the case of projects that do not result in construction of facilities, the budget reflects the implementation tasks that will be required to achieve stated project outcomes.

Line Item Budget - Budget Documentation

In addition to the mandated form, each project has prepared a line item budget which supports the budget categories identified in Table 8 of this section. Finally, the line item budgets correlate directly to the tasks identified in the work plan (Attachment 3) and the schedule (Attachment 5).

Funding Match

All project budgets clearly indicate the sources of all funding matches the amount of funding match applied to each task. The total funding match for the Proposal is 10%. However, if the Disadvantaged Communities (DAC), who are exempt from the match, are removed from the formula then the overall match is roughly 30%.

September 31, 2008 – December 2010 Match request – Grizzly Flats Reservoir Lining Project. Grizzly Flat match calculation includes funds expended in 2010 in support of developing the

design and engineering for their Grizzly Flats Reservoir Relining Project. A portion of their overall match is fully documented via invoices, contracts and receipts. Specifically, these funds are a match for Budget Category (c): Planning/Design/Engineering/Environmental Documentation. The match is in two allocations: \$54,205 for engineering and design for the reservoir lining and \$7,814 for permitting (assessment and evaluation). Documentation is available for review by DWR to aid in their determination of whether to allow this match to apply.

Disadvantaged Communities - Request for Waiver of Match

This proposal contains projects from two Disadvantaged Communities (DAC): Nevada City and Washington County Water District (WCWD). The WCWD is characterized as a Severely Disadvantaged Community with a median income of \$21,667. Attachment 12 fully documents the DAC status of each community.

Calculations of percentages/DAC:

Nevada City – the Nevada City engineering staff have considerable experience with replacement of aging infrastructure. It is the formal practice of the department to calculate design (12%) and construction administration (6%) as flat rate calculations based on the

documented experience of the jurisdictions over time. These calculations may vary depending on the specific characteristics of the project or the project site.

WCWD – the project engineer for the district has worked closely with the General Manger to develop the construction estimates for this Proposal. Because no design or engineering work has yet been accomplished, the strategy for developing the engineer's opinion of probable construction costs was to estimate "forward" from the projected engineering costs. This strategy has been used successfully by the engineer, as is currently being employed as a strategy with the CA Department of Parks and Recreation. Thus, since the engineer was able to calculate what it will take in terms of effort to design and engineer the various projects, and since engineering (plans, specifications and estimates) is normally roughly 15 % of the construction cost this formula was used to derive the probable costs for the project – the addition of a 5% "remote location" element was also included.

Table 8 - Summary Budget

Integrated Regional Water Use Efficiency and Drought Preparedness Program

	Individual Project Title	Non-State Share (Funding Match)	Requested Grant Funding (DWR Grant Amount)	Other State Funds Being Used	Total	% Funding Match
(a)	Nevada City-Gracie Road Intertie (Disadvantaged Community)	\$0	\$61,985	\$0	\$61,985	0%
(b)	Nevada City-South Pine Distribution System Improvement (<i>Disadvantaged Community</i>)	\$0	\$420,437	\$0	\$420,437	0%
(c)	Nevada City-Park Distribution System Improvement (<i>Disadvantaged Community</i>)	\$0	\$116,660	\$0	\$116,660	0%
(d)	Nevada City-Prospect Street Distribution System Improvement (<i>Disadvantaged Community</i>)	\$0	\$143,118	\$0	\$143,118	0%
(e)	Nevada City-Installation of Altitude Valves and SCADA System on Storage Tanks (Disadvantaged Community)	\$0	\$253,745	\$0	\$253,745	0%
(f)	Nevada City-Leak Detection and Repair (Disadvantaged Community)	\$0	\$287,762	\$0	\$287,762	0%
(g)	Nevada City-Installation of Water Meters on City Facilities (<i>Disadvantaged Community</i>)	\$0	\$10,715	\$0	\$10,715	0%
(h)	Nevada City Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Program (<i>Disadvantaged</i> Community)	\$0	\$186,595	\$0	\$186,595	0%
(i)	WCWD-Maybert Road Distribution Line Improvements (Severely Disadvantaged Community)	\$0	\$439,822	\$0	\$439,822	0%

	Individual Project Title	Non-State Share (Funding Match)	Requested Grant Funding (DWR Grant Amount)	Other State Funds Being Used	Total	% Funding Match
(j)	WCWD-Relief Hill Road - Flow Control Pressure Improvements (Severely Disadvantaged Community)	\$0	\$299,421	\$0	\$299,421	0%
(k)	WCWD-Level-control Altitude Valves on Storage Tank (Severely Disadvantaged Community)	\$0	\$295,076	\$0	\$295,076	0%
(1)	WCWD-System-wide Installation of Water Meters (Severely Disadvantaged Community)	\$0	\$133,420	\$0	\$133,420	0%
(m)	WCWD-Leak Detection and Repair - Needs Assessment and Feasibility Study with Repair of High-priority Leaks (Severely Disadvantaged Community)	\$0	\$134,536	\$0	\$134,536	0%
(n)	WCWD Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Program (Severely Disadvantaged Community)	\$0	\$104,625	\$0	\$104,625	0%
(o)	Grizzly Flats-Reservoir Relining	\$156,466	\$405,276	\$0	\$561,742	28%
(p)	Grizzly Flats-Leak Detection and Repair	\$68,100	\$217,920	\$0	\$286,020	24%
(q)	Grizzy Flats Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Program	\$28,000	\$89,565	\$0	\$117,565	24%
(r)	Alta/Colfax-Leak Detection and Repair	\$126,724	\$147,875	\$0	\$274,599	46%
(s)	American Rivers-CABY Water Trust	\$56,800	\$161,711	\$0	\$218,511	26%

	Individual Project Title	Non-State Share (Funding Match)	Requested Grant Funding (DWR Grant Amount)	Other State Funds Being Used	Total	% Funding Match
(t)	Grand Total (sum rows (a) through (s) for each column	\$436,090	\$3,910,264	\$0	\$4,346,354	10%

Nevada City

Gracie Road Intertie

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share*	Requested Grant	Other State Funds	Total	%
		(Funding Match)	Funding	Being Used		Funding Match
						Water
(a)	Direct Project Administration Costs		\$ 8,350		\$ 8,350	
(b)	Land Purchase/Easement		\$ 75		\$ 75	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 980		\$ 980	
(d)	Construction/Implementation		\$ 38,380		\$ 38,380	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ -		\$ -	
(g)	Other Costs		\$ 8,650		\$ 8,650	
(h)	Construction/Implementation Contingency		\$ 5,550		\$ 5,550	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 61,985	\$ -	\$ 61,985	

^{*}List sources of funding:Use as much space as required

Nevada City

South Pine Distribution System Improvement

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 29,690		\$ 29,690	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ -		\$ -	
(d)	Construction/Implementation		\$ 332,770		\$ 332,770	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ -		\$ -	
(g)	Other Costs		\$ 8,650		\$ 8,650	
(h)	Construction/Implementation Contingency		\$ 49,327		\$ 49,327	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 420,437	\$ -	\$ 420,437	

^{*}List sources of funding:Use as much space as required

Nevada City

Park Distribution System Improvement

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share*	Requested Grant	Other State Funds	Total	%
		(Funding Match)	Funding	Being Used		Funding
						Match
(a)	Direct Project Administration Costs					
Ľ	,		\$ 10,640		\$ 10,640	
(b)	Land Purchase/Easement					
<u> </u>			\$ -		\$ -	
	Planning/Design/Engineering/Environmental					
.,	Documentation		\$ -		\$ -	
(d)	Construction/Implementation					
(4)	orion delicity implementation		\$ 84,920		\$ 84,920	
(e)	Environmental Compliance/Mitigation/Enhancement					
(0)	Environmental compilarico/witigation/Enmancement		\$ -		\$ -	
(f)	Construction Administration					
(')	Construction / Carministration		\$ -		\$ -	
(a)	Other Costs					
(g)	Other Costs		\$ 8,650		\$ 8,650	
(h)	Construction/Implementation Contingency					
(h)	Construction/Implementation Contingency		\$ 12,450		\$ 12,450	
/i\	Grand Total (sum of rows (a) through (h) for each					
(i)	column)	\$ -	\$ 116,660	\$ -	\$ 116,660	

^{*}List sources of funding:Use as much space as required

Nevada City

Prospect Street Distribution System Improvement

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 13,960		\$ 13,960	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ -		\$ -	
(d)	Construction/Implementation		\$ 105,040		\$ 105,040	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ -		\$ -	
(g)	Other Costs		\$ 8,650		\$ 8,650	
(h)	Construction/Implementation Contingency		\$ 15,468		\$ 15,468	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 143,118	\$ -	\$ 143,118	

^{*}List sources of funding:Use as much space as required

Nevada City
Installation of Altitude Valves and SCADA System on Storage Tanks

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 17,680		\$ 17,680	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 23,965		\$ 23,965	
(d)	Construction/Implementation		\$ 168,380		\$ 168,380	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ 10,020		\$ 10,020	
(g)	Other Costs		\$ 8,650		\$ 8,650	
(h)	Construction/Implementation Contingency		\$ 25,050		\$ 25,050	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 253,745	\$ -	\$ 253,745	

^{*}List sources of funding:Use as much space as required

Nevada City

Leak Detection and Repair

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 22,080		\$ 22,080	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 55,330		\$ 55,330	
(d)	Construction/Implementation		\$ 163,880		\$ 163,880	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ -		\$ -	
(g)	Other Costs		\$ 21,890		\$ 21,890	
(h)	Construction/Implementation Contingency		\$ 24,582		\$ 24,582	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 287,762	\$ -	\$ 287,762	

^{*}List sources of funding:Use as much space as required

Nevada City

Installation of Water Meters on City Facilities

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 1,265		\$ 1,265	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 760		\$ 760	
(d)	Construction/Implementation		\$ 5,435		\$ 5,435	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ 180		\$ 180	
(g)	Other Costs		\$ 3,075		\$ 3,075	
(h)	Construction/Implementation Contingency		\$ -		\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 10,715	\$ -	\$ 10,715	

^{*}List sources of funding:Use as much space as required

Nevada City

Nevada City Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Program

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 29,380		\$ 29,380	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ -		\$ -	
(d)	Construction/Implementation		\$ -		\$ -	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ -		\$ -	
(g)	Other Costs		\$ 157,215		\$ 157,215	
(h)	Construction/Implementation Contingency		\$ -		\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 186,595	\$ -	\$ 186,595	

^{*}List sources of funding:Use as much space as required

WCWD

Maybert Road Distribution Line Improvements

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 24,825		\$ 24,825	
(b)	Land Purchase/Easement		\$ 5,260		\$ 5,260	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 38,360		\$ 38,360	
(d)	Construction/Implementation		\$ 355,867		\$ 355,867	
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	
(f)	Construction Administration		\$ 5,000		\$ 5,000	
(g)	Other Costs		\$ 10,510		\$ 10,510	
(h)	Construction/Implementation Contingency				\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 439,822	\$ -	\$ 439,822	

^{*}List sources of funding:Use as much space as required

WCWD

Relief Hill Road - Flow Control Pressure Improvements

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share*	Requested Grant	Other State Funds	Total	%
		(Funding Match)	Funding	Being Used		Funding
						Match
(a)	Direct Project Administration Costs		ф 45.500		ф 45.500	
			\$ 15,500		\$ 15,500	
(b)	Land Purchase/Easement		\$ 2,560		\$ 2,560	
(0)	Planning/Design/Engineering/Environmental		·		,	
(c)	Documentation		\$ 19,440		\$ 19,440	
(d)	Construction/Implementation					
(4)	Construction/implementation		\$ 248,286		\$ 248,286	
(e)	Environmental Compliance/Mitigation/Enhancement					
(-,					\$ -	
(f)	Construction Administration					
· /			\$ 3,125		\$ 3,125	
(g)	Other Costs					
(3)			\$ 10,510		\$ 10,510	
(h)	Construction/Implementation Contingency					
<u>`</u>					\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each					
	column)	-	\$ 299,421	-	\$ 299,421	

^{*}List sources of funding:Use as much space as required

WCWD Level-control Altitude Valves on Storage Tank

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 16,840		\$ 16,840	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 12,680		\$ 12,680	
(d)	Construction/Implementation		\$ 252,546		\$ 252,546	
(e)	Environmental Compliance/Mitigation/Enhancement				\$ -	
(f)	Construction Administration		\$ 2,500		\$ 2,500	
(g)	Other Costs		\$ 10,510		\$ 10,510	
(h)	Construction/Implementation Contingency				\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 295,076	\$ -	\$ 295,076	

^{*}List sources of funding:Use as much space as required

WCWD

System-Wide Installation of Water Meters

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 11,180		\$ 11,180	
(b)	Land Purchase/Easement		\$ -		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 13,570		\$ 13,570	
(d)	Construction/Implementation		\$ 94,360		\$ 94,360	
(e)	Environmental Compliance/Mitigation/Enhancement				\$ -	
(f)	Construction Administration		\$ 5,000		\$ 5,000	
(g)	Other Costs		\$ 9,310		\$ 9,310	
(h)	Construction/Implementation Contingency				\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$ 133,420	\$ -	\$ 133,420	_

^{*}List sources of funding:Use as much space as required

WCWD

Leak Detection and Repair - Needs Assessment and Feasibility Study with Repair of High-priority Leaks

		(a)		(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Re	quested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$	10,080		\$ 10,080	
(b)	Land Purchase/Easement		\$	-		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$	22,200		\$ 22,200	
(d)	Construction/Implementation		\$	82,606		\$ 82,606	
(e)	Environmental Compliance/Mitigation/Enhancement		\$	-		\$ -	
(f)	Construction Administration		\$	3,000		\$ 3,000	
(g)	Other Costs		\$	16,650		\$ 16,650	
(h)	Construction/Implementation Contingency					\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$	134,536	\$ -	\$ 134,536	

^{*}List sources of funding:Use as much space as required

WCWD

WCWD Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Program

		(a)		(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Re	quested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$	10,810		\$ 10,810	
(b)	Land Purchase/Easement		\$	-		\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation		\$	3,675		\$ 3,675	
(d)	Construction/Implementation		\$	-		\$ -	
(e)	Environmental Compliance/Mitigation/Enhancement		\$	-		\$ -	
(f)	Construction Administration		\$	-		\$ -	
(g)	Other Costs		\$	90,140		\$ 90,140	
(h)	Construction/Implementation Contingency					\$ -	
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ -	\$	104,625	\$ -	\$ 104,625	

^{*}List sources of funding:Use as much space as required

Grizzly Flats

Reservoir Relining

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$ 22,720	\$ -		\$ 22,720	100%
(b)	Land Purchase/Easement	\$ -	\$ -		\$ -	0%
1117	Planning/Design/Engineering/Environmental Documentation	\$ 68,519	\$ 6,500		\$ 75,019	91%
(d)	Construction/Implementation	\$ 20,000	\$ 398,776		\$ 418,776	5%
(e)	Environmental Compliance/Mitigation/Enhancement	\$ -	\$ -		\$ -	0%
(f)	Construction Administration	\$ 35,687	\$ -		\$ 35,687	100%
(g)	Other Costs	\$ 9,540	\$ -		\$ 9,540	100%
(h)	Construction/Implementation Contingency				\$ -	0%
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ 156,466	\$ 405,276	\$ -	\$ 561,742	28%

^{*}List sources of funding: GFCSD will provide the match for this project from their Capital Improvement Projects Account

Grizzly Flats

Leak Detection and Repair

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used		
(a)	Direct Project Administration Costs	\$ 14,480	\$ 14,480		\$ 28,960	50%
(b)	Land Purchase/Easement	\$ -	\$ -		\$ -	0%
1161	Planning/Design/Engineering/Environmental Documentation	\$ 18,460	\$ 18,460		\$ 36,920	50%
(d)	Construction/Implementation	\$ 35,160	\$ 160,080		\$ 195,240	18%
(e)	Environmental Compliance/Mitigation/Enhancement	\$ -	\$ -		\$ -	0%
(f)	Construction Administration	\$ -	\$ -		\$ -	0%
(g)	Other Costs	\$ -	\$ 6,900		\$ 6,900	0%
(h)	Construction/Implementation Contingency	\$ -	\$ 18,000		\$ 18,000	0%
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ 68,100	\$ 217,920	\$ -	\$ 286,020	24%

^{*}List sources of funding: GFCSD will provide the match for this project from their Capital Improvement Projects Account

Grizzly Flats

Grizzly Flats Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Program

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$ -	\$ 8,120		\$ 8,120	0%
(b)	Land Purchase/Easement		\$ -		\$ -	0%
(c)	Planning/Design/Engineering/Environmental Documentation		\$ -		\$ -	0%
(d)	Construction/Implementation		\$ -		\$ -	0%
(e)	Environmental Compliance/Mitigation/Enhancement		\$ -		\$ -	0.0%
(f)	Construction Administration		\$ -		\$ -	0.0%
(g)	Other Costs	\$ 28,000	\$ 81,445		\$ 109,445	25.6%
(h)	Construction/Implementation Contingency		\$ -		\$ -	0.0%
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ 28,000	\$ 89,565	\$ -	\$ 117,565	23.8%

^{*}List sources of funding: GFCSD will provide the match for this project from their Capital Improvement Projects Account

Alta/Colfax

Leak Detection and Repair

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$ 5,310	\$ 7,860		\$ 13,170	40%
(b)	Land Purchase/Easement	\$ 3,070	\$ -		\$ 3,070	0%
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 17,863	\$ 122,276		\$ 140,139	13%
(d)	Construction/Implementation	\$ 96,041	\$ 13,299		\$ 109,340	88%
(e)	Environmental Compliance/Mitigation/Enhancement				\$ -	0%
(f)	Construction Administration (included in construction cost - see spreadsheet)				\$ -	0%
(g)	Other Costs	\$ 4,440	\$ 4,440		\$ 8,880	50%
(h)	Construction/Implementation Contingency (included in construction cost - see spreadsheet)				\$ -	0%
(i)	Grand Total (sum of rows (a) through (h) for each column)	\$ 126,724	\$ 147,875	\$ -	\$ 274,599	46%

^{*}List sources of funding: PCWA will provide their match entirely from their internal capital improvement budget

American Rivers

CABY Water Trust

		(a)	(b)	(c)	(d)	(e)
	Budget Category	Non-State Share* (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs		\$ 10,857		\$ 10,857	0%
(b)	Land Purchase/Easement		\$ -		\$ -	0%
IIC)	Planning/Design/Engineering/Environmental Documentation	\$ 42,000	\$ 58,039		\$ 100,039	42%
(d)	Construction/Implementation	\$ 14,800	\$ 82,445		\$ 97,245	15%
(e)	Environmental Compliance/Mitigation/Enhancement				\$ -	0%
(f)	Construction Administration				\$ -	0%
(g)	Other Costs		\$ 10,370		\$ 10,370	0%
(h)	Construction/Implementation Contingency				\$ -	0%
1711	Grand Total (sum of rows (a) through (h) for each column)	\$ 56,800	\$ 161,711	\$ -	\$ 218,511	26%

^{*}List sources of funding:Use as much space as required

BUDGET B: Line Item Budget

Nevada City

Gracie Road Intertie

Task	No.		-	Task I	Description	Nevada City Chief Engineer	Nevada City Assistant Engineer	Subconsultant - Technical Specifications	Nevada City - Project Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
					Hourly Rate	\$75.00	\$45.00	\$65.00	\$100.00	\$55.00	\$95.00	\$45.00			
-			to Demobil hs, weathe		n and Final Report: 240 days										
					ninistration Costs										
Task	1	Administr	ation and I	Manag	ement	4	16		2	8		24			
Task		Labor Cor							_					\$4,000.00	
Task	3	Reporting	<u> </u>			2	4		4	16					
					Total Hours	6	20	0	6	24	0	24			
					Hourly Rate	75	45	65	100	55	95	45			
					Total Cost	450	900	0	600	1320	0	1080	\$4,350.00	\$4,000.00	\$8,350.00
Budget	Cate	gory (b): La	and Purcha	se/Eas	sement										
Task	4	ROW cert	ification		-	1									
					Total Hours	1	0	0	0	0	0	0			
					Hourly Rate	75	45	65		55	95				
			Ь.	Ц,	Total Cost	75	0	0	0	0	0	0	\$75.00	\$0.00	\$75.00
			-		ngineering/Environmental	1						ı	1		
Task					ons with NID	6	6	4							
Task	6				ng for Gracie Road Intertie										
					ion - COMPLETED										
		Permitting	g - NONE R	EQUIR	Total Hours			1	0	0	0	0			
				-	Hourly Rate	6 75	6 45	65	, and the second	55	95	Ů			
				+	Total Cost	450	270	260	100	0.0	95	0	\$980.00	\$0.00	\$980.00
Budget	Cate	gory (d): Co	onstruction	/Impl	ementation	430	210	200	U	U	0	Ů	ψ900.00	ψ0.00	ψ900.00
Task			ruction Cor			4	8					16			
Task			ion and Site		<u> </u>		0					10		\$1,000.00	
Task	9	Project Co	onstruction											\$35,000.00	
Task					emobilization									\$1,000.00	
			T	T	Total Hours	4	8	0	0	0	0	16		Ţ.,J.	
				1	Hourly Rate	75	45	65	100	55	95				
					Total Cost	300	360	0	0	0	0	720	\$1,380.00	\$37,000.00	\$38,380.00

Task	No.		T	ask I	Description	Nevada City Chief Engineer	Nevada City Assistant Engineer	Subconsultant - Technical Specifications	Nevada City - Project Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
Budge	t Cate	gory (e): En	vironment	al Cor	npliance/Mitigation/Enhanceme										
					NOT APPLICABLE										
					Total Hours	0	0	0	0	0	0	0			
					Hourly Rate	75	45	65	100	55	95	45			
					Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Budge	t Cate	gory (f): Co	nstruction	Admiı	nistration										
Task	11	Direct Cor	struction A	dmini	stration										
					Total Hours	0	0	0	0	0	0	0			
					Hourly Rate	75	45	65	100	55	95	45			
					Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Budge	t Cate	gory (g): Ot	her Costs												
Task	12	Develop a	nd maintaiı	n CAB	Y project-specific webpage	2	4		8	48	24	8			
Task	13	Data Man	agement				8		2	24		8			
					Total Hours	2	12	0	10	72	24	16			
					Hourly Rate	75	45	65	100	55	95	45			
					Total Cost	150	540	0	1000	3960	2280	720	\$8,650.00	\$0.00	\$8,650.00
Budge	t Cate	Category (h): Construction/Implementation Contingency													_
		Construction Contingency (15% of total)													\$5,550.00
	Total Hours						46	4	16	96	24	56			
					Total Cost	\$1,425.00	\$2,070.00	\$260.00	\$1,600.00	\$5,280.00	\$2,280.00	\$2,520.00	\$15,435.00	\$41,000.00	\$61,985.00

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Project Title: Gracie Road Intertie

Note: It is the practice of Nevada City to estimate project costs to INCLUDE actual construction - in other words "as built" therefore these costs are not itemized by labor and materials

	Item Description		Amount						
1	vault - 6x10 Christie or equal with metal lid concrete vault	\$	10,000.00						
2	meter (4" meters) sensus/4" turbine	\$	12,000.00						
4	valves (Mueller) service 2360, resilient wedge gate valve 8 - 12" 250 mechanical joint fittings	\$	5,000.00						
misc	piping/parts/misc (neoprene gaskets, small pipe connections (3/4, 1/1.5 inches), minor drains, screws bolts etc,	\$	6,000.00						
	paving clean up (300 sq ft of ac paving/bedding/aggregate - class 2 aggregate base subgrade, sand backfill material, resurface paving of all disturbed areas/compaction after completion of construction,								
	SUBTOTAL	\$	35,000.00						
	15% Contingency	\$	5,250.00						
	Construction Total	\$	40,250.00						
	Mobilization La control of the contr	\$	1,000.00						
	Demobilization	\$	1,000.00						
	SUBTOTAL 450/ Construction Continuency	\$	2,000.00						
	15% Construction Contingency mobilization and demobilization		300.00 2,300.00						
	PRELIMINARY COST ESTIMATE	\$	42,550.00						

Budget Workplan Outline

Nevada City

South Pine Street Distribution System Improvement

Task N	No. Task Description		Nevada City	Nevada City Assistant	Subconsultant - Technical			CABY IT	City Support	Labor Total	Other Direct	Grand Total
ruski	Tuck Becomption		Chief Engineer	Engineer	Specifications	Manager	Staff		Staff	Labor Total	Costs	Grand Total
		Hourly Rate	\$75.00	\$45.00	\$65.00	\$100.00	\$55.00	\$95.00	\$45.00			
udget Category	(a): Direct Project Administration Costs (CABY + Sponsor, 5% of total p	roiect)										
Task 1	Administration and Management	,,	24	40	8	40			80			
Task 2	Labor Compliance Program			.0	· ·	.0			00		\$9,200.00	
Task 3	Reporting		12	20		24	40	6	40		**,=*****	
		Total Hours	36	60	8	64		6				
		Hourly Rate	75	45	65	100	55	95	45			
		Total Cost	2700	2700	520	6400	2200	570		\$20,490.00	\$9,200.00	\$29,690.0
Budget Category	(b): Land Purchase/Easement											
	N/A											
		Total Hours	0	0	0	0	0	0	0			
		Hourly Rate	75	45	65	100	55	95	45			
		Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.0
Budget Category	(c): Planning/Design/Engineering/Environmental Documentation											
Task 4	Final Design for South Pine Distribution System Improvement Engineer's opinion of probable construction cost includes 10% labor for engineering per Nevada City standard practices											
	Environmental Documentation- N/A											
	Permitting- N/A											
		Total Hours	0	0	0	0	0	0	0			
		Hourly Rate	75	45	65	100	55	95	45			
		Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.0
Budget Category	(d): Construction/Implementation											
Task 5	Pre-construction Contracting- Request for Proposal through notice to	proceed		_					_			
	And the second s		16	8					8			
Task 6	Mobilization and Site Preparation										\$1,000.00	
Task 7	Project Construction		Engineer's opinion	on of probable co	instruction cost in	cludes all labor for	or construction per	Nevada City sta	andard practices		\$328,850.00	
Task 8	Performance Testing, Demobilization and Post Project Monitoring										\$1,000.00	
		Total Hours	16	8	0	0		0				
		Hourly Rate	75	45		100		95 0		#4 000 00	# 000 050 00	#000 770 0
Budget Cetegor	(e): Environmental Compliance/Mitigation/Enhancement	Total Cost	1200	360	U	U	U	U	360	\$1,920.00	\$330,850.00	\$332,770.0
Budget Category	N/A											
	N/A	Total Hauss	0	0	0	0	0	0	0			
		Total Hours Hourly Rate	0 75	0 45		0 100		0 95				
		Total Cost	75 0	45 0				95		\$0.00	\$0.00	\$0.0
	(f): Construction Administration	TOTAL COST					0			φυ.υυ	φ0.00	φυ.υ
Rudget Category	(1). Construction Administration			, , , , ,	materiation and in	cludes 5% Jahor	for construction ad	min ner Nevada	City standard n	ractices		
	Direct Construction Administration											
Budget Category Task 9	Direct Construction Administration			•						4011003		
	Direct Construction Administration	Total Hours Hourly Rate	Engineer's opinio 0 75	on of probable co 0 45	0		0	0 95	0	14011000		

	Task N	o. Task Description	Nevada City Chief Enginee	Assistant	Subconsultant - Technical Specifications	Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
Budget	Category	(g): Other Costs										
Task	10	Develop and Maintain CABY Project Specific Webpage		2 4	1	8	48	24	8			
Task	11	Data Management		8	3	2	24		8			
		Total	Hours	2 12	2 0	10	72	24	16			
		Hour	Rate 7	5 45	65	100	55	95	45			
		Tot	l Cost 15	540) (1000	3960	2280	720	\$8,650.00	\$0.00	\$8,650.00
Budget	Category	(h): Construction/Implementation Contingency										
			Nevada City st	andard practice is	to assign a 15%	construction cont	ingency				\$49,327.50	\$49,327.50
Budget	Category	(i): Grand Total (Sum Rows (a) through (h) for each column)										
		Total I	ours 5	4 80	8	74	112	30	144			
		Total	Cost \$4,050.0	\$3,600.00	\$520.00	\$7,400.00	\$6,160.00	\$2,850.00	\$6,480.00	\$31,060.00	\$389,377.50	\$420,437.50

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Project Title: South Pine Distribution System Improvement

	Item Description	Quantity	Unit	Unit Price	Total Price		
	8" ductal iron	1750	LF	\$55.00	\$96,250.00		
	8" ductal iron (in bridge)	300	LF	\$160.00	\$48,000.00		
	tie-in Sacramento	1	ea	\$4,500.00	\$4,500.00		
	tie-in Spring St	1	ea	\$4,500.00	\$4,500.00		
	fire hydrant	3	ea	\$3,500.00	\$10,500.00		
	ditch sand slurry	1750		\$10.00	\$17,500.00		
	asphalt concrete	4000	sq ft	\$5.00	\$20,000.00		
	water service short	18	ea	\$3,000.00	\$54,000.00		
	water service long	5	ea	\$4,000.00	\$20,000.00		
	8" ductal iron valves	4	ea	\$800.00	\$3,200.00		
	6" ductal iron	400	LF	\$50.00	\$20,000.00		
	tie-in Cross/Pine	2	ea	\$3,200.00	\$6,400.00		
	sand slurry	400	LF	\$10.00	\$4,000.00		
	water service long	4	ea	\$4,000.00	\$16,000.00		
	8" ductal iron valves	5	ea	\$800.00	\$4,000.00		
			SUBTOTAL		\$328,850.00		
	15% Contingency						
PRELI	IMINARY COST ESTIMATE				\$378,177.50		

Budget Workplan Outline

Nevada City

Park Avenue Distribution System Improvement

Task	No. Task Description		Nevada City Chief Engineer	Nevada City Assistant Engineer	Subconsultant - Technical Specifications	Project Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
		Hourly Rate	\$75.00	\$45.00	\$65.00	\$100.00	\$55.00	\$95.00	\$45.00			
udget Catego	ory (a): Direct Project Administration Costs (CABY + Sponsor, 5% of total p	roject)										
Task 1	Administration and Management	-	4	16	4	10)		32			
Task 2	Labor Compliance Program										\$2,800.00	
Task 3	Reporting		4	16		12	. 8		4 24		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	· -	Total Hours	8	32		22						
		Hourly Rate	75	45		100		9:				
		Total Cost	600	1440		2200		380		\$7,840.00	\$2,800.00	\$10,640.
Budget Catego	ory (b): Land Purchase/Easement											
	N/A											
		Total Hours	0	0	0	C	0	(0 0			
		Hourly Rate	75	45	65	100	55	9	5 45			
		Total Cost	0	0	0	C	0	(0 0	\$0.00	\$0.00	\$0.
Budget Catego	ory (c): Planning/Design/Engineering/Environmental Documentation											
Гask 4	Final Design for Park Avenue Distribution System Improvement		Engineer's opinio	n of probable co	nstruction cost inc	ludes 10% labo	r for engineering p	er Nevada City	standard practic	ces		
	Environmental Documentation- N/A											
	Permitting- N/A											
		Total Hours	0	0	0	C	0	(0 0			
		Hourly Rate	75	45	65	100	55	9:	5 45			
		Total Cost	0	0	0	C	0		0 0	\$0.00	\$0.00	\$0.
Budget Catego	ory (d): Construction/Implementation											
Task 5	Pre-construction Contracting- Request for Proposal through notice to p	roceed	16	8					8			
Task 6	Mobilization and Site Preparation										\$1,000.00	
Task 7	Project Construction		Engineer's opinio	n of probable co	nstruction cost inc	ludes all labor f	or construction per	Nevada City s	tandard practice	s	\$81,000.00	
Task 8	Performance Testing, Demobilization and Post Project Monitoring										\$1,000.00	
		Total Hours	16	8	0	C	0		0 8			
		Hourly Rate	75	45	65	100	55	9	5 45			
		Total Cost	1200	360	0	C	0	(0 360	\$1,920.00	\$83,000.00	\$84,920.
Budget Catego	ory (e): Environmental Compliance/Mitigation/Enhancement											
	N/A											
		Total Hours	0	0	0	C	0		0 0			
		Hourly Rate	75	45	65	100	55	9	5 45			
		Total Cost	0	0	0	C	0	(0 0	\$0.00	\$0.00	\$0.
Budget Catego	ory (f): Construction Administration											
Task 9	Direct Construction Administration		Engineer's opinio	n of probable co	nstruction cost inc	ludes 5% labor	for construction ad	min per Nevad	a City standard	practices		
		Total Hours	0	0	0	C	0	(0 0			
		Hourly Rate	75	45	65	100	55	99	5 45			
		Total Cost	0	0	0	C	0	(0 0	\$0.00	\$0.00	\$0.
Budget Catego	ory (g): Other Costs											
Task 10	Develop and Maintain CABY Project-specific Webpage		2	4		8	48	24	4 8			
Task 11	Data Management			8		2	24		8			
		Total Hours	2	12	0	10	72	24	4 16			
		Hourly Rate	75	45	65	100	55	9	5 45			

Task No.	Task Description	Nevada City Chief Engineer	Accietant	Subconsultant - Technical Specifications	Project Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
Budget Category (h): Construction/Impleme	entation Contingency										
15% Contingency										\$12,450.00	\$12,450.00
	Total Hou	rs 0	0	0		0 0	0	0			
	Hourly Rat	e 75	45	65	10	0 55	95	45			
	Total Co:	st 0	0	0		0 0	0	0	\$0.00	\$12,450.00	\$12,450.00
Budget Category (i): Grand Total (Sum Rows	s (a) through (h) for each column)										
	Total Hour	s 26	52	4	3:	2 80	28	80			
	Total Cos	\$1,950.00	\$2,340.00	\$260.00	\$3,200.0	94,400.00	\$2,660.00	\$3,600.00	\$18,410.00	\$98,250.00	\$116,660.00

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Project Title: Park Avenue Distribution System Improvement

Item	n Description	Quantity	Unit	Unit Price	Total Price	е
6" ductal iron		430	LF	\$50.00	\$21,500.00	
tie-in Nimrod		1	LS	\$3,500.00	\$3,500.00	
tie-in End		1	LS	\$3,000.00	\$3,000.00	
fire hydrant/ass.		1	ea	\$3,500.00	\$3,500.00	
ditch sand slurry		430	LF	\$10.00	\$4,300.00	
asphalt concrete		1000	sqft	\$5.00	\$5,000.00	
water service (short)		5	ea	\$3,000.00	\$15,000.00	
water service (long)		6	ea	\$4,000.00	\$24,000.00	
6" ductal iron valve		2	ea	\$600.00	\$1,200.00	
				SUBTOTAL	\$81,000.	00
			1	5% Contigency	\$ 12,150.	00
			Со	nstruction Total	\$93,150.	00
Mobilization					\$ 1,000.	00
Dembilization					\$ 1,000.	00
				SUBTOTAL	\$ 2,000.	
			1	5% Contingency	_	
					\$ 2,300.	
	PRELIMINARY COST ESTIMATE				\$ 95,450.	00

Budget Workplan Outline

Nevada City

Prospect Street Distribution System Improvement

T:	ask No.	Task Description		Nevada City	Nevada City Assistant	Subconsultant - Technical	Project	CABY - Support	CABY IT	City Support	Labor Total	Other Direct	Grand Total
	ask No.	rask bescription		Chief Engineer	Engineer	Specifications	Manager	Staff		Staff	Labor Total	Costs	Grand Total
			Hourly Rate	\$75.00	\$45.00	\$65.00	\$100.00	\$55.00	\$95.00	\$45.00			
Budget Ca	ategory (a): Direct Project Admir	nistration Costs (CABY + Sponsor, 5% of total project)											
Task 1	Administration and Mar	nagement		8	16	4	10			60			
Task 2	Labor Compliance Progr	am										\$3,600.00	
Task 3	Reporting			8	16		12		4	. 24			
			Total Hours	16	32	4	22		4	٥.			
			Hourly Rate	75	45	65	100		95				
Budget Co	ategory (b): Land Purchase/Ease	mont	Total Cost	1200	1440	260	2200	1100	380	3780	\$10,360.00	\$3,600.00	\$13,960.00
Buuget Ca	N/A	ment											
	N/A		Total Hours	0	0	0	0	0	0	0			
			Hourly Rate	75	45	65	100		95				
			Total Cost	0	0	0	0		0			\$0.00	\$0.00
Budget Ca	ategory (c): Planning/Design/En	gineering/Environmental Documentation	2000				•	-	•				
Task 4	Final Design for Prospec	t Avenue Distribution System Improvement		Engineer's opinio	n of probable co	nstruction cost inc	ludes 10% labo	for engineering pe	er Nevada City s	standard practic	es		
	Environmental Docume	ntation- N/A											
	Permitting- N/A												
			Total Hours	0	0	0	0	0	0	0			
			Hourly Rate	75	45	65	100		95				
			Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
	ategory (d): Construction/Imple												
Task 5		cting- Request for Proposal through notice to proceed	i	16	8					8			
Task 6	Mobilization and Site Pr	eparation										\$1,000.00	
Task 7	Project Construction	annohiliantian and Dark Duniant Manitonian		Engineer's opinio	n of probable co	nstruction cost inc	ludes all labor fo	or construction per	Nevada City sta	andard practices	5	\$101,120.00	
Task 8	renormance results, De	emobilization and Post Project Monitoring	Total Hours	16	0	0	0	0	0			\$1,000.00	
			Hourly Rate	16 75	8 45	65	0 100		95				
			Total Cost	1200	360	0	0		0			\$103,120.00	\$105,040.00
Budget Ca	ategory (e): Environmental Com	pliance/Mitigation/Enhancement	10101 0031	1200							ψ1,020.00	ψ100,120.00	ψ100,010.00
	N/A	<u> </u>											
			Total Hours	0	0	0	0	0	0	0			
			Hourly Rate	75	45	65	100	55	95	45			
			Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Budget Ca	ategory (f): Construction Admini	stration											
Task 9	Direct Construction Adn	ninistration		Engineer's opinio	n of probable co	nstruction cost inc	ludes 5% labor	for construction ad	min per Nevada	City standard p	oractices		
			Total Hours	0	0	0	0		0				
			Hourly Rate	75	45	65	100		95			**	**
Budget C	atagany (g): Other Costs		Total Cost	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
	ategory (g): Other Costs	ABY Project-specific Webpage		2			_	40	24	^			
Task 10 Task 11		ABT FTOJECT-SPECIAL Wenhage		2	4 8		8		24	. 8 8			
100% 11	Data Management		Total Hours	2	12	0	10		24				
			Hourly Rate	75	45	65	100		95				
			Total Cost	150	540	0	1000		2280			\$0.00	\$8,650.00
Budget Ca	ategory (h): Construction/Imple	mentation Contingency	2000						-				
				Nevada City stan	dard practice is t	o assign a 15% c	onstruction cont	ingency				\$15,468.00	\$15,468.00
			Total Hours	-	-	-		•					
			Hourly Rate										
			Total Cost									\$15,468.00	\$15,468.00
Budget Ca	ategory (i): Grand Total (Sum Ro	ws (a) through (h) for each column)											
			Total Hours	34	52	4	32	92	28				
			Total Cost	\$2,550.00	\$2,340.00	\$260.00	\$3,200.00	\$5,060.00	\$2,660.00	\$4,860.00	\$20,930.00	\$122,188.00	\$143,118.00

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Project Title: Prospect Street Distribution System Improvement

Item Description	Quanity	Unit	Unit Price	To	otal Price
6" ductal iron	612	LF	\$50.00	\$30,	600.00
tie-in Adam St	1	LS	LS	\$3,0	00.00
tie-in Clay St	1	LS	LS	\$3,5	00.00
fire hydrant/ass.	2	ea	\$3,500.00	\$7,0	00.00
ditch sand slurry	612	LF	\$10.00	\$6,1	20.00
asphalt concrete	1500	IV	\$5.00	\$7,5	00.00
water service (short)	7	ea	\$3,000.00	\$21,	000.00
6" valves	4	ea	\$600.00	\$2,4	00.00
water service (long)	5	ea	\$4,000.00		000.00
			SUBTOTAL	\$	101,120.00
			15% Contigency		15,168.00
		С	onstruction Total	\$	116,288.00
Mobilization				\$	1,000.00
Demobilization				\$	1,000.00
·			SUBTOTAL	\$	2,000.00
			15% Contingency		300.00
				\$	2,300.00
PRELIMINARY COST	ESTIMATE			\$	118,588.00

Budget Workplan Outline Nevada City Installion of Altitude Valves with Integrated SCADA Systems on Storage Tanks Nevada City CABY - Project CABY - Support Nevada City City Support Other Direct Task No. CABY IT **Task Description** Labor Total **Grand Total** Assistant Technical Chief Engineer Manager Staff Costs Engineer Specifications \$75.00 \$55.00 \$45.00 Budget Category (a): Direct Project Administration Costs (CABY + Sponsor, 5% of total project) Administration and Management Task 2 Labor Compliance Program (N/A) Task 3 Reporting 10 40 10 40 10 Total Hours 20 22 80 48 10 80 Hourly Rate 75 45 100 55 95 45 3600 990 950 \$17,680.00 \$0.00 \$17,680.00 1500 0 8000 2640 Total Cost Budget Category (b): Land Purchase/Easement Total Hours 0 Hourly Rate 75 45 65 100 55 95 45 Total Cost 0 \$0.00 \$0.00 \$0.00 Budget Category (c): Planning/Design/Engineering/Environmental Documentation Assessment and Evaluation (Planning) 4.1 Evaluate individual tank requirements 4.2 Evaluate and select appropriate integrated altitude valve SCADA system Administrative reporting and SCADA response protocols Final Design and Engineering for Altitude Valves with Integrated SCADA Systems Task \$20,040.00 on Storage Tanks Environmental Documentation- N/A Permitting- N/A **Total Hours** Hourly Rate 75 45 65 100 55 95 900 720 330 95 540 \$3,925.00 \$20,040.00 \$23,965.00 Total Cost 1040 300 Budget Category (d): Construction/Implementation Task Pre-construction Contracting- Request for Proposal through notice to proceed Task 7 \$1,000.00 Mobilization and Site Preparation Task Project Construction \$165,000.00 Performance Testing, Demobilization and Post Project Monitoring Task \$1,000.00 Total Hours 0 0 0 0 16 Hourly Rate 100 55 95 Total Cost 300 360 0 0 720 \$1,380.00 \$167,000.00 \$168,380.00 Budget Category (e): Environmental Compliance/Mitigation/Enhancement N/A Total Hours 0 0 0 0 55 95 45 **Hourly Rate** 75 45 100 0 Total Cost 0 0 0 \$0.00 \$0.00 \$0.00 Budget Category (f): Construction Administration Direct Construction Administration \$10,020.00 Total Hours 0 0 95 45 Hourly Rate 75 45 65 100 55 0 \$0.00 \$10,020.00 \$10,020.00 Total Cost 0 Budget Category (g): Other Costs Develop and Maintain CABY Project-specific Webpage Task 12 Data Management 24 8 **Total Hours** 12 10 72 24 16 45 Hourly Rate 100 55 95 75 45 720 Total Cost 150 540 0 1000 3960 2280 \$8,650.00 \$0.00 \$8,650.00

	Та	isk N	No.			Task	Description	Nevada City Chief Engineer	Nevada City Assistant Engineer	Subconsultant - Technical Specifications	Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
Budg	t Cat	tegor	ry (h): Co	nstruction/Im	plementat	ion Conting	ency										
			Constr	uction Contin	gency calcu	lated at15%	Construction Cost									\$25,050.00	
							Total Hours	0	0	0	0	0	0	0			
							Hourly Rate	75	45	65	100	55	95	45			
							Total Cost	0	0	0	0	0	0	0	\$0.00	\$25,050.00	\$25,050.00
Budg	t Cat	tegor	ry (i): Gra	nd Total (Sun	n Rows (a) t	through (h)	or each column)										
							Total Hours	38	58	16	93	126	35	124			
							Total Cost	\$2,850.00	\$2,610.00	\$1,040.00	\$9,300.00	\$6,930.00	\$3,325.00	\$5,580.00	\$31,635.00	\$222,110.00	\$253,745.00

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Installion of Altitude Valves with Integrated SCADA Systems on Storage Tanks

Item Description		Amount
SCADA System - use existing system currently installed in waterwater treatemnt plant, upgrade of software yearly, Allen Braley brand Program Logic Controller (PLC) panel at each resvoir site, altitude control valve at each tank with contact closures to connect to PLC, communication system for Maaster Scada (3 MDS radios), configure screen to show 3 tanks, install reporting system (imbedded in software, system start up and calibration, training off all associated staff, inloudes "Wonderware" software	\$	150,000.00
SCADA System - 3 PCL, 3 radios, 3 SCADA screens, Reporting systems, staff training, system calibration (as discussed above) Engineers estimate for contractor installation of equipment at each tank (e.g., conduits, wiring, antenna, antenna masts, 120 volt power sourse)	\$	15,000.00
SUBTOTAL	\$	165,000.00
15% Contigency	\$	24,750.00
Construction Total	\$	189,750.00
Mobilization	\$	1,000.00
Demobilization	\$	1,000.00
	L	
SUBTOTAL	-	2,000.00
15% Contingency Total	_	300.00 2,300.00
PRELIMINARY COST ESTIMATE	\$	192,050.00

Budget Workplan Outline

Nevada City

Leak Detection and Repair

Task I	No. Task Description		Nevada City Chief Engineer	Nevada City Assistant Engineer	Nevada City Field Staff	Manager	CABY - Support Staff	GIS Tech	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
		Hourly Rate	\$75.00	\$45.00	\$50.00	\$100.00	\$55.00	\$70.00	\$95.00	\$45.00			
Budget Catego	ry (a): Direct Project Administration Costs (CABY + Sponsor, 5% of total	proiect)											
Task 1	Administration and Management	,	16	40	40	8				40			
Task 2	Labor Compliance Program											\$4,000.00	
Task 3	Reporting		20	40	40	8	40		4	40		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		Total Hours	36	80	80	16	40		4	80			
		Hourly Rate	75	45	50	100	55		95	45			
		Total Cost	2700	3600	4000	1600	2200		380		\$18,080.00	\$4,000.00	\$22,080.00
Budget Catego	ry (b): Land Purchase/Easement												
	N/A												
		Total Hours	0	0	0	0	0		C	0			
		Hourly Rate	75	45	50	100	55		95				
		Total Cost	0	0	0	0	0		C		\$0.00	\$0.00	\$0.0
Budget Catego	ry (c): Planning/Design/Engineering/Environmental Documentation												
Task 4	Purchase Necessary Equipment and Train City Staff												
4.1	Purchase appropriate leak detection equipment											\$5,830.00	
4.2	Provide technical training and in-field training on targeted zones withi	n the city										\$1,500.00	
Task 5	Develop Leak Detection and Repair Program				960							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Environmental Documentation- N/A												
Task 6	Develop Specifications and Procedures for Leak Repair Activities												
	Permitting- N/A												
		Total Hours	0	0	960	0	0		C	0			
		Hourly Rate	75	45	50	100	55		95				
		Total Cost	0	0	48000	0	0		0		\$48,000.00	\$7,330.00	\$55,330.00
Budget Catego	ry (d): Construction/Implementation												
Task 7	Pre-construction Contracting- Request for Proposal through notice to	proceed											
Task 8	Mobilization and Site Preparation												
Task 9	Project Construction- Repair of High Priority Detected Leaks											\$163,880.00	
Task 10	Performance Testing, Demobilization and Post Project Monitoring											*,	
		Total Hours	0	0	0	0	0		C	0			
		Hourly Rate	75				55		95	45			
		Hourly Rate Total Cost	75 0	45	50	100	55 0		95 0		\$0.00	\$163.880.00	\$163.880.00
Budget Catego	ry (e): Environmental Compliance/Mitigation/Enhancement	Hourly Rate Total Cost	75 0						95 0		\$0.00	\$163,880.00	\$163,880.00
Budget Catego	ry (e): Environmental Compliance/Mitigation/Enhancement N/A			45	50	100					\$0.00	\$163,880.00	\$163,880.00
Budget Catego		Total Cost	0	45	50	100	0		C	0	\$0.00	\$163,880.00	\$163,880.0
Budget Catego		Total Cost Total Hours	0	45 0	50 0	0	0		C	0	\$0.00	\$163,880.00	\$163,880.00
Budget Catego		Total Cost Total Hours Hourly Rate	0	45	50	100	0		C	0 0 45	\$0.00	\$163,880.00 \$0.00	
		Total Cost Total Hours	0 0 75	45 0 0 45	50 0 0 50	100 0 0 100	0 0 55		0	0 0 45			
Budget Catego	N/A	Total Cost Total Hours Hourly Rate	0 0 75	45 0 0 45	50 0 0 50	100 0 0 100	0 0 55		0	0 0 45			
	N/A ry (f): Construction Administration	Total Cost Total Hours Hourly Rate Total Cost	0 75 0	45 0 0 45 0	0 50 0	0 100 0	0 55 0		0 95 0	0 45 0			
Budget Catego	N/A ry (f): Construction Administration	Total Cost Total Hours Hourly Rate	0 0 75	45 0 0 45	50 0 0 50	100 0 0 100	0 0 55		0	0 45 0			\$163,880.00 \$0.00

Task N	No. Task Description	Nevada City Chief Engineer	Nevada City Assistant Engineer	Nevada City Field Staff	Project Manager	CABY - Support Staff	GIS Tech	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Grand Total
Budget Categor	ry (g): Other Costs											
Task 12	Develop and Maintain CABY Project-specific Webpage	2	4		8	48		24	8			
Task 13	Data Management		8		2	24			8			
Task 14	Compile Comprehensive Electronic Database of Water System Infrastructure						152				\$2,600.00	
	Total Hours	2	12	0	10	72	152	24	16			
	Hourly Rate	75	45	50	100	55	70	95	45			
	Total Cos	150	540	0	1000	3960	10640	2280	720	\$19,290.00	\$2,600.00	\$21,890.00
Budget Categor	ry (h): Construction/Implementation Contingency											
	15% Contingency										\$24,582.00	\$24,582.00
	Total Hours	0	0	0	0	0		0	0			
	Hourly Rate	75	45	50	100	55		95	45			
	Total Cos	: 0	0	0	0	0		0	0	\$0.00	\$24,582.00	\$24,582.00
Budget Categor	ry (i): Grand Total (Sum Rows (a) through (h) for each column)											
	Total Hours	38	92	1040	26	112	152	28	96			
	Total Cost	\$2,850.00	\$4,140.00	\$52,000.00	\$2,600.00	\$6,160.00	\$10,640.00	\$2,660.00	\$4,320.00	\$85,370.00	\$202,392.00	\$287,762.00

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Project Title: Leak Detection and Repair

Item Description				Amount
BRAND NAME, LD-15				\$ 3,750.00
60" long rod for subsurface testing and monitoring				\$ 130.00
batteries (4 "c" cell batteries - estimated life = 80 hours per set				
Nevada City staff repair of high-priority leaks averages approximately 8,000 of 20 leaks per year	per leak (over the	e last five years) v	with an average	160,000
			SUBTOTAL	\$ 163,880.00
		15	5% Contigency	\$ 24,582.00
		Cor	struction Total	\$ 188,462.00
training cost (assumes two sessions with a total of 6 employees maximium				\$ 1,500.00
			SUBTOTAL	\$ 1,500.00
		15	5% Contingency	 -
				\$ 1,500.00
PRELIMINARY COST ESTIMATI	<u> </u>			\$ 189,962.00

Budget Workplan Outline

Nevada City

Installation of Water Meters on City Facilities

Tas	k No.	Task Description	Nevada City	Nevada City Assistant	Subconsultant - Technical	Project	CABY - Support	CABY IT	City Support	Labor Total	Other Direct	Grand Total
		· ·	Chief Engineer	Engineer	Specifications	Manager	Staff		Staff		Costs	
		Hourly F	tate \$75.00	\$45.00	\$65.00	\$100.00	\$55.00	\$95.00	\$45.00			
Budget Catego		Costs (CABY + Sponsor, 5% of total project)	•									
Task 1	Administration and Management			1 2		1			8			
Task 2	Labor Compliance Program - N/A											
Task 3	Reporting	Tatal II		4 1 6		1		0	8			
		Total H Hourly				100		0 95				
		Total				200		0			\$0.00	\$1,265.00
Budget Catego	ory (b): Land Purchase/Easement	rotar								¥1,=33.00	*****	Ţ.,
	N/A											
		Total H	ours	0 0	0	0	0	0	0	1		
		Hourly				100		95				
		Total	Cost	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
	ory (c): Planning/Design/Engineering/E	Environmental Documentation										
Task 4	Develop Meter Installation Plan Pre-Installation Design and Engin	seering, N/A		4 4		1			4			
	Environmental Documentation-1											
	Permitting- N/A	***										
	- '	Total H	ours	4 4	. 0	1	0	0	4			
		Hourly			65	100	55	95		i		
		Total	Cost 30	180	0	100	0	0	180	\$760.00	\$0.00	\$760.00
Budget Catego	ory (d): Construction/Implementation											
Task 5	Pre-construction Contracting- Re	quest for Proposal through notice to proceed										
Task 6	Mobilization and Site Preparation	n		1 4					4		\$500.00	
Task 7	Project Construction- Installation										\$4,000.00	
Task 8		ition and Post Project Monitoring									\$500.00	
		Total H	ours	1 4	. 0	0	0	0	4		,	
		Hourly				100		95				
		Total				0		0			\$5,000.00	\$5,435.00
Budget Catego	ory (e): Environmental Compliance/Mi									•		· · ·
	N/A											
		Total H		0		0		0				
		Hourly				100		95				
D -1 C	(0.6	Total	Cost	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Task 9	ory (f): Construction Administration Direct Construction Administration	22										
IdSK 9	Direct Construction Administration	Total H	ours	4 0 4		0	0	0	0	ı		
		Hourly				100		95				
		Total		0 180		0		0			\$0.00	\$180.00
Budget Catego	ory (g): Other Costs											
Task 10	Develop and Maintain CABY Proj	ect specific Webpage		1 2		1	8	16				
Task 11	Data Management			2			4		4			
		Total H		1 4		1	12	16				
		Hourly				100 100		95 1520			\$0.00	\$3,075.00
Budget Catego	ory (h): Construction/Implementation	Total Contingency	cost /	. 180	0	100	660	1520	540	φ3,073.00	φυ.00	φ3,073.00
	, , ,	,										
		Total H	ours	0 0	0	0	0	0	0			
		Hourly				100		95				
		Total		0 0	0	0		0			\$0.00	\$0.0
Budget Catego	ory (i): Grand Total (Sum Rows (a) thro											
		Total Ho		7 22		4	12	16			A	A (
		Total C	ost \$525.0	\$990.00	\$0.00	\$400.00	\$660.00	\$1,520.00	\$1,620.00	\$5,715.00	\$5,000.00	\$10,715.00

Budget Workplan Outline

Nevada City

Integrated Water Shortage Contingency and Conservation Plan

									CABY						
Task No. Ta	sk Description		General Manager	CABY Project Manager	CABY Project Coordinator	Project Engineer	NC/DEH	IT	Research Tecnician	Office Manager	Graphics	Office Assistant	Labor Total	Other Direct Costs	Grand Total
	н	ourly Rate	\$125.00	\$100.00	\$75.00	\$125.00	\$50.00	\$95.00	\$45.00	\$40.00	\$75.00	\$30.00			
Budget Category (a): Direct Project Administration Costs (CAB	Y + Sponsor, 5% of total project)														
Task 1 Administration and Management	<u> </u>		8	20	40							40			
Task 2 Labor Compliance- N/A															
Task 3 Reporting			4	16	40	4			12		2	40			
		Total Hours	12	36	80	4	0	0			2	80			
		Hourly Rate	125	100	75	125	50	95			75	30			
		Total Cost	1500	3600	6000	500	0	0	540	0	150	2400	\$14,690.00	\$0.00	\$29,380.0
Budget Category (b): Land Purchase/Easement															
•	NOT APPLICACBLE	T-4-111			•										
		Total Hours Hourly Rate	0 125	0 100	0 75	0 125	0 50	0 95		0 40	0 75	0 30	0		
		Total Cost	0	0	0	0	0	0				0	\$0.00	\$0.00	\$0.0
Budget Category (c): Planning/Design/Engineering/Environme	ental Documentation	TOTAL COST											ψ0.00	ψ0.00	ψ0.0
	NOT APPLICACBLE														
		Total Hours	0	0	0	0	0	0	0	0	0	0	0		
		Hourly Rate	125	100	75	125	50	95			75	30			
		Total Cost	0		0	0	0	0				0	\$0.00	\$0.00	\$0.0
Budget Category (d): Construction/Implementation															
•	NOT APPLICACBLE														
		Total Hours	0	0	0	0	0	0	0		0	0	0		
		Hourly Rate	125	100	75	125	50	95	45		75	30			
		Total Cost	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Budget Category (e): Environmental Compliance/Mitigation/8															
'	NOT APPLICACBLE														
		Total Hours	0	0	0	0	0	0				0	0		
		Hourly Rate Total Cost	125 0	100 0	75 0	125 0	50 0	95 0			75 0	30 0	\$0.00	\$0.00	\$0.00
Budget Category (f): Construction Administration		Total Cost	•		<u> </u>		-	-	-		-	-	ψ0.00	ψ0.00	ψ0.00
	NOT APPLICACBLE														
		Total Hours	0	0	0	0	0	0	0	0	0	0	0		
		Hourly Rate	125	100	75	125	50	95			75	30			
		Total Cost	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Budget Category (g): Other Costs															
Task 4 Water Shortage Response Feasibility Study a	nd Action Plan		24	12	160	24			40		12	4			
Task 5 Integrated Capital Improvement Plan			16	4	40	16	8								
Task 6 Integrated Customer Water Use Efficiency In	itiative														
6.1 Public Outreach				24	40				16		24	24		\$200.00	
6.2 Education and Workshop Activities			32	32	80				20		32	24		\$75.00	
6.3 Distribution of Retrofit Kits			24	0.4	4						0.4	40		\$3,000.00	
6.4 Comprehensive Drought Action Plan Task 7 Develop and Maintain CABY Project-specific	Wohnago		12	24	56 4	8	8	20	8		24	24		\$300.00	
Task 8 Data Management	webpage			2	16			20	12			4			
Task o Sota Management		Total Hours	108	98	400	48	16	20		0	92	120			
		Hourly Rate	125	100	75	125	50	95	45		75	30			
		Total Cost	13500	9800	30000	6000	800	1900	4320	0		3600	\$76,820.00	\$3,575.00	\$157,215.00
Budget Category (h): Construction/Implementation Continger	ncy														
	NOT APPLICACBLE														
		Total Hours	0	0	0	0	0	0				0	0		
		Hourly Rate	125	100	75	125	50	95			75	30			
Durlant Cotton (I) County Tel 1/2		Total Cost	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Budget Category (i): Grand Total (Sum Rows (a) through (h) fo		otal Hours	120	134	480	52	16	20	108	0	94	200	\$1,224.00		
		Total Cost	\$15,000.00		\$36.000.00	\$6,500.00	\$800.00	\$1,900.00	\$4.860.00	\$0.00		\$6.000.00	\$1,224.00	\$7,150.00	\$186.595.00
		i Jiai Cost	\$15,000.00	\$13,400.00	\$30,000.00	φυ,ουυ.υυ	φουυ.υ0	φ1, 900.00	\$4,00U.UU	\$0.00	φ <i>1</i> ,050.00	φυ,υυυ.υυ	φ σ 1,510.00	φ7,150.00	JU.CEC,001 &

Maybert Road I						
				Rate		
Description	Organization	Staff	Hours	\$/hr	Cost	Notes
NOTE: All	construction activities	occur in single con	structio	n seas	on	
		- J				
Budget Category (a)	- Direct Project Admini	stration Costs				
Task 1 - Administration and Management	,					
-	WCWD	General Manager	25	\$125	\$3,125	
	Nevada City	Project Manager	20	\$100	\$2,000	
	CABY	Support Staff	22	\$55	\$1,210	
	Nevada City	Support Staff	62	\$45	\$2,790	
Task 1: total cost	<u></u>				\$9,125	
Task 2 - Labor Compliance Program						
	North Valley Labor					
	Compliance Services	Staff			\$8,100	
Task 2: total cost	1 1				\$8,100	
					ΨΟ,	
Task 3 - Reporting						
Tues o Toporus	WCWD	General Manager	16	\$125	\$2,000	
	Nevada City	Project Manager	16	\$100	\$1,600	
	CABY	Support Staff	40	\$55	\$2,200	
	Nevada City	Support Staff	40	\$45	\$1,800	
Task 3: total cost	-	o uppose o unic		11	\$7,600	
					n ·) - v v	
Task 1-3: total cost	•				\$24,825	
					, = ., = =	
Budget Categor	ry (b): Land Purchase/E	asement				
Task 4: Obtain Easement for diverted section of	, , , , , , , , , , , , , , , , , , , ,					Land Surveying + legal
Maybert Road Distribution Line	Project Engineer	Chief Surveyor	8	\$115		description
,	, 0	, -		"	π	Land Surveying + legal
	Project Engineer	Crew Chief	10	\$105	\$1,050	description
	, 0	Chainman/Rodma			n y	Land Surveying + legal
	Project Engineer	n	10	\$75	\$750	description
	WCWD	General Manager	4			Liaison with Property Owner

	Nevada County	County Counsel	16	\$100		Draft legal agreements and file
	CABY	Support Staff	8	\$55	\$440	Support activities
Task 4: total cost			28		\$5,260	
Budget Category (c): Planning/De	sign/Engineering/Envir	onmental/Documer	ntation			
Task 5: Field Assessment and Evaluation (Planning)	Project Engineer	Chief Engineer	20	\$125	\$2,500	Land Surveying
	Project Engineer	Chief Surveyor	20	\$115	\$2,300	Land Surveying
	Project Engineer	Crew Chief	20	\$105	\$2,100	Land Surveying
	Project Engineer	n	20	\$75	\$1,500	Land Surveying
Task 5: total cost			80		\$8,400	
Trale C. Final Davian and Facility of a Mark.						
Task 6: Final Design and Engineering for Maybert Road PVC Replacement						
	Project Engineer	Chief Engineer	40	\$125	. ,	Design Engineering
	Project Engineer	Chief Surveyor	16	\$115	\$1,840	Design Engineering
	Project Engineer	Staff Engineer	40	\$105	\$4,200	Design Engineering
Task 6: total cost			96		\$11,040	
Task 7: Environmental Documentation						
Task /: Environmental Documentation						
	Nevada City	Project Manager	24	\$100	\$2,400	
	Nevada County					
	Department of			0.7.5	*4.5 00	Responsible Agency (fee for
		Senior Analyst	16	\$75		service)
	CABY	Support Staff	24	\$55	\$1,320	
Task 7: total cost			64		\$4,920	
Task 8: Permitting						
	Project Engineer	Chief Engineer	60	\$125	\$7,500	
	SWPP Plan permit fees	U			\$1,500	
	County of Nevada -				n - 3 0 0	
	Community					
	Development Agency					
	Grading Permit and					
	associated review fees				\$5,000	
Task 8: total cost			60		\$14,000	

Budget Category (d): Construction/Imple	mentation				
Task 9: Pre-Construction Estimates and Contracting						
						Engineers Est. & Process
	Project Engineer	Chief Engineer	20	\$125	\$2,500	Management
						Engineers Est. & Process
	Project Engineer	Staff Engineer	20	\$105	\$2,100	Management
						Assist WCWD Board with
	WCWD	General Manager	8	\$125	\$1,000	contract negotiations
						Assist with contract
	Nevada City	Project Manager	8	\$100		negotiations
	Nevada City	Support staff	16	\$45	\$720	
			72		\$7,120	
Task 9: total cost					<i>\$14,240</i>	
Task 10: Mobilization and Site Preparation						
Task 10: total cost						
Task 11: Project Construction						
Preliminary engineer's estimate of construction cost					\$332,427	
						Photo recordation & as built
		Chief Engineer	40	\$125	\$5,000	drawings
						Photo recordation & as built
		Staff Engineer	40	\$105		drawings
Task 11: total cost			80		\$341,627	
Task 12: Performance Testing, Demobilization and						
Post Project Monitoring	Project Engineer	Chief Engineer	20	\$125	. ,	Remote & Onsite
Task 12:total cost			20		\$2,500	
Task 13: Direct Construction Administration						
		Chief Engineer	20	\$125	" ,	Remote & Onsite
Task 13: total cost			20		\$2,500	
	Category (g): Other Costs	3				
Task 14: Develop and maintain CABY Project-specific						
web page						
	WCWD	General Manager	4	\$125	\$500	

		neering Technician	12		\$1,200	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	48	\$55	\$2,640	
	CABY	IT	24	\$95	\$2,280	
	Nevada City	Support Staff	8	\$45	\$360	
Task 14: total cost	·				\$7,780	
Task 15: Data Management						
	WCWD	General Manager	2	\$125	\$250	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24		\$1,320	
	Nevada City	Support Staff	8	\$45	\$360	
Task 15: total cost		* *			\$2,730	
Budget Category (h): Const	ruction/Implementati	on Contingency				
8 8 7 (7	, 1	3 7			\$0	
					,	
Total Cost of Element					\$439,822	
Calculated as a percentage based on type, estimated					,	
budget, and duration of project, as well as the nature of						
the construction activities						
ASSUMPTIONS:						
NOTES:						
10120						

Relief Hill Ro	oad Flow Control Pr	essure System Im	proven	<u>nents</u>		
				Rate		
Description	Organization	Staff	Hours	\$/hr	Cost	Notes
NOTE: All construction activit	ies occur in single	construction seas	on			
						_
Budget Category (a) - Di	rect Project Adminis	tration Costs	T			
Task 1 - Administration and Management						
	WCWD	General Manager	16	\$125	\$2,000	
	Nevada City	Project Manager	20	\$100	\$2,000	
	CABY	Support Staff	22	\$55	\$1,210	
	Nevada City	Support Staff	22	\$45	\$990	
Task 1: total cost					\$6,200	
Task 2 - Labor Compliance Program						
						Calculated as a percentage
						based on type, estimated
	North Valley Labor					budget, and duration of
	Compliance					project, as well as the nature
	Services	Staff			\$3,000	of the construction activities
Task 2: total cost					\$3,000	
					·	
Task 3 - Reporting						
1 0	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	18	\$100	\$1,800	
	CABY	Support Staff	40	\$55	\$2,200	
	Nevada City	o uppose o unis		π	π— , — ∘ ∘	
	Support Staff		40	\$45	\$1,800	
Task 3: total cost			102	Ψ.ιο	\$6,300	
1 1151 5. 10111 0011			102		ψ υ, υ	
Tasks 1-3: Total Costs					\$15,500	
1 ushs 1-3, 1 stat costs					ψ12,200	
Budget Category (b	 : Land Purchase/Ea	sement	<u> </u>			
Task 4: Finalize Limited Use Agreement with US Forest	. Land I dichase/ La	Schiefft				
Service						
OCIVICE	WCWD	General Manager	8	\$125	\$1 000	Negotiations with USFS
	Nevada City	Project Manager	2		\$1,000 \$200	Asssit with negotiations
	inevada City	1 Toject Manager		\$100	\$200	USFS mapping and
	Duning Francis	C1-: C C	0	Ø115	#02 0	coordination
	Project Engineer CABY	Chief Surveyor	8	\$115 \$55		
'T'1 A 1		Support Staff	8	နာ၁၁		technical support
Task 4: total cost]	26		<i>\$2,560</i>	

Budget Category (c): Planning/Design/Engineer	ing/Environmental/Documen	ntation			
Task 5: Field Assessment and Evaluation (Planning)	Chief Engineer	20	\$125	\$2,500	Land Surveying
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Chief Surveyor	20	\$115		Land Surveying
	Crew Chief	20	\$105		Land Surveying
	Chainman/Rodm				, ,
	an	20	\$75	\$1,500	Land Surveying
Task 5: total cost		80		\$8,400	, 0
Task 6: Final Design and Engineering for Relief Hill Road					
Flow Control Pressure System Improvements	Chief Engineer	40	\$125	\$5,000	Design Engineering
, ,	Chief Surveyor	16	\$115	\$1,840	Design Engineering
	Staff Engineer	40	\$105		Design Engineering
Task 6: total cost		96		\$11,040	
Task 7: Environmental Documentation					
Task 7: total cost		0		\$0	
Budget Category (d): Constructi	on/Implementation				
Task 8: Pre-Construction Estimates and Contracting	Chief Engineer	20	Ф1 O Г	#2 F00	Engin Est. & Project
Task 8: Pre-Construction Estimates and Contracting	Chief Engineer	20	\$125	\$2,500	Manage. Engin Est. & Project
	Staff Engineen	20	\$10E	¢2 100	,
Task 8: total cost	Staff Engineer	20 40	\$105	\$2,100	Manage.
Task 9: Mobilization and Site Preparation		40		\$4,600	
Task 9: Mobilization and Site Preparation Task 9: total cost					
Task 10: Project Construction					
Preliminary engineer's estimate of construction cost				\$224.497	
Preliminary engineer's estimate of construction cost				\$234,486	Photo recordation & as built
	Chief Engineer	40	\$125	\$ 5,000	drawings
	Cinei Engineer	40	\$143	\$3,000	Photo recordation & as built
	Staff Engineer	40	\$105	\$4.2 00	drawings
Task 10: total cost	Staff Eligilicel	80	\$103	\$243,686	urawingo
1 ask 10. total cost		00		ΨΔτυ,000	
Task 11: Direct Construction Administration	Chief Engineer	25	\$125	\$3 125	Remote & On site
Task 11: total cost	Since Engineer	25	Ψ123	\$3,125	
I don II. total cost				Ψυ,120	
Budget Category (g): C	Other Costs				
Task 12: Develop and maintain CABY Project-specific web					
page					
I.o.	WCWD General Manager	4	\$125	\$500	

						1
		neering Technician	12			
	Nevada City	Project Manager	8	\$100		
	CABY	Support Staff	48	\$55	\$2,640	
	CABY	IT	24	\$95	\$2,280	
	Nevada City	Support Staff	8	\$45	\$360	
Task 12: total cost					\$7,780	
Task 13: Data Management						
	WCWD	General Manager	2	\$125	\$250	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24	\$55	\$1,320	
	Nevada City	Support Staff	8	\$45	\$360	
Task 13: total cost					\$2,730	
Budget Category (h): Constru	action/Implementation	on Contingency				
%15 contengency	_				\$0	Unforseens
					" -	
Total Cost of Element			267		\$299,421	
					, .	
ACCLIMPTIONIC.						

ASSUMPTIONS:

- --Limited existing written plans, specifications and design documents & age of facility necessitate land surveying and engineering services as for a new project.
- --Additionally, gathering information to verify the existing facilities increases cost beyond that of a new project. Rates account for prevailing wage rates

NOTES:

- --The Environmental Documentation for this task will include all WCWD Projects 1 5, as these costs do not need to reoccur for each individual project.
- --Stormwater Pollution Prevention Plan (SWPP) Project Engineer is certified in preparation of all necessary SWPPP documentation and permitting requirements. Note that the costs associated with this task will cover all WCWD Projects 1 5, as these costs do not need to reoccur for each individual project.
- --The contract negotiated as part of this task will result in the identification of a General Contactor who will administer and subcontract as required to complete all 5 contracts within the WCWD Proposal this task will not be repeated for each project.
- --Mobilization and site preparation, project construction (labor and materials), direct construction administration, and contingency are included in the engineers calculation of probable project construction cost.

Level Cont	rol Altitude Valve Imp	oroveme	ents		
Description	Staff	Hours	Rate \$/hr	Cost	Notes
NOTE: All construction	activities occur in sir	ole con	structi	on season	
11012. The construction	uctivities occur in sir	igic con	otracti	011 0000011	
Budget Category (a) - Direct Project	Administration Costs				
Task 1 - Administration and Management					
	General Manager	16	\$125	\$2,000	
	Project Manager	8	\$100	\$800	
	Support Staff	16	\$55	\$880	
	Support Staff	40	\$45	\$1,800	
Task 1: total cost				\$5,480	
Task 2 - Labor Compliance Program	North Valley Labor Compliance Services	Staff		\$8,100	Calculated as a percentage based on type, estimated budget, and duration of project, as well as the nature of the construction activities
Task 2: total cost				\$8,100	
Task 3 - Reporting					
	General Manager	4	\$125	\$500	
	Project Manager	8	\$100	\$800	
	Support Staff	16	\$55	\$880	
T-1-2-4-4-1	Support Staff	24	\$45	\$1,080	
Task 3: total cost				\$3,260	
Tasks 1-3: total cost				\$16,840	
Budget Category (b): Land Purcha	se/Easement- N/A				
Budget Category (c): Planning/Design/Engineerin	ng/Environmental/Doo	cumenta	tion		
0 0 7 (7 0 0 0 0 1	Chief Surveyor			\$920	
Task 4: Field Assessment and Evaluation (Planning)	Crew Chief	10	\$105	\$1,050	Land Surveying
	Chainman/Rodman	10	\$75	\$750	
Task 4: total cost		28		\$2,720	
	Chief Engineer	24	\$125	¢2 000	Design Engineering
Task 5: Final Design and Engineering for Relief Hill Road Level	Chief Engineer Chief Surveyor			\$3,000 \$2,760	
Control	Staff Engineer			\$4,200	
Task 5: total cost	Juli Linguicei	88	Ψ103	\$9,960	

Environmental Documentation- (See Maybert Road					
Environmental Documentation Task)					
total cost		0		\$0	
			'		
Budget Category (d): Constructio	n/Implementation				
Task 6: Pre-Construction Estimates and Contracting	Chief Surveyor	20		\$2,300	
	Staff Engineer	20	\$105	\$2,100	Engin Est. & Project Manage.
Task 6: total cost		40		\$4,400	
D. I. C.				#220 046	
Preliminary engineer's estimate of construction cost	Cl. CE.	20	#10F	\$239,046	Photo recordation & asbuilt
Task 7: Project Construction and Site Mobilization	Chief Engineer Staff Engineer	40		\$2,500 \$4,200	
Task 7: total cost	Statt Engineer	60	\$103	\$245,746	drawings
Task /. total cost		00		\$243,740	
	Chief Engineer	4	\$125	\$500	
Task 8: Performance Testing & Demobilization	Construction	20	\$95	\$1,900	Line disinfection & pressure test
Task 8: total cost	333333333	24	770	\$2,400	
				"- y · · ·	
Task 9: Direct Construction Administration	Chief Engineer	20	\$125	\$2,500	Remote & Onsite
Task 9: total cost		20		\$2,500	
Budget Category (g): Ot	her Costs				
Task 10: Develop and maintain CABY Project-specific web					
	General Manager	4	\$125	\$500	
]	Engineering Technician	12	\$100	\$1,200	
	Project Manager	8	\$100	\$800	
	Support Staff	48	\$55	\$2,640	
	IT	24	\$95	\$2,280	
Task 10: total cost	Support Staff	8	\$45	\$360	
1 ask 10: total cost				\$7,780	
Task 11: Data Management					
Tasa II. Data Management	General Manager	2	\$125	\$250	
	Project Manager	8	\$100	\$800	
	Support Staff	24	\$55	\$1,320	
	Support Staff	8	\$45	\$360	
Task 11: total cost	11			\$2,730	
			, ,		
Budget Category (h): Construction/Imp	lementation Contingend	cy			
%15 contingency				\$0	Unforseens
Total Cost of Element		260		\$295,076	

100XXX (DETX 0.3.7.0						
ASSUMPTIONS:						
Limited existing written plans, specifications and design documents & a	ge of facility necessitate land	surveying	and eng	gineering		
services as for a new project.						
Additionally, gathering information to verify the existing facilities increase	es cost beyond					
that of a new project. Rates account for prevailing wage rates	5					
that of a non-project states account for prevaining rage rates	1				†	
					-	
NOTES:						
	D. Dunianta 1 5 na thaga as	ata da ma	t mood to			
The Environmental Documentation for this task will include all WCWI	D Projects 1 - 5, as these to	sis ao noi	i neea ii	reoccur jor		
each individual project.						
Stormwater Pollution Prevention Plan (SWPP) - Project Engineer is cer						
documentation and permitting requirements. Note that the costs associated	l with this task will cover all	WCWD	Project.	s 1 - 5, as		
these costs do not need to reoccur for each individual project.						
The contract negotiated as part of this task will result in the identification	n of a General Contactor who	will adm	inister)	and		
9 1 9	5					
subcontract as required to complete all 5 contracts within the WCWD Pro	iposai - inis iask wiii noi be r	ереанеа је	or each f	этојесі.		
			,			
Mobilization and site preparation, project construction (labor and materic	als), direct construction admin	ustration,	and con	ntıngency are		
included in the engineers calculation of probable project construction cost.						

	System Wide Insta	allation of Water N	<u> Aeters</u>			
Description	Primary Entity	Staff	Hours	Rate \$/hr	Cost	Notes
Budget Category (a) - Dire	ect Project Administra	tion Costs				
Task 1 - Administration and Management	WIOWID	0 111		#105	# 500	
	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24	\$55	\$1,320	
77 1 4 1	Nevada City	Support Staff	40	\$45	\$1,800	
Task 1: total cost					\$4,420	
Task 2 - Labor Compliance Program						
						Calculated as a percentage based on type
	North Valley Labor					and duration of project as well as the
	Compliance Services	Staff			\$3,600	nature of the construction activities
Task 2: total cost					\$3,600	
Task 3 - Reporting						
-	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24	\$55	\$1,320	
	Nevada City	• •				
	Support Staff		12	\$45	\$540	
Task 3: total cost					\$3,160	
Tasks 1-3: total cost					\$11,180	
8 8 7 1 7	Land Purchase/Easer	nent			DT / A	
not applicable		0		# 0	N/A	
		0		\$0		
	F : /F :	1/5				
Budget Category (c): Planning/Design/	Engineering/Environi	mental/Documenta	tion			
Task 4: Develop policies, administrative systems, and procedures to support ongoing metering activities						
	CABY	Project Manager	16	\$100	1,600	Policies, administrative systems,
	CABY	Deputy PM	24	\$80	1,920	procedures for illegal hook-ups, policies
	CABY	Support Staff			440	for replacement of substandard laterals and
	Nevada City	Support Staff			360	connections, financing component for
	Project Engineer	Senior Engineer	8		1,000	future repairs, community outreach during
	WCWD	General Manager	_	\$125	1,500	policy development
Task 4: total cost	3 // 2			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6,820	
Task 5: Final design and engineering for meter installation						

	Project Engineer	Chief Engineer	16	\$125	\$2,000	
	WCWD	General Manager	16	\$125	\$2,000	
Task 5: total cost		General manager	10	Ψ123	\$4,000	
					7 1,000	selected by WCWD - current estimates are
						from 19,000 to 27,000 for the meters
						alone, without fixtures/hardware or
Task 6: Meter Specifications, Evaluation, pricing and purchase						installation
1 / 1 0 1	Project Engineer	Chief Engineer	4	\$125	\$500	
	WCWD	General Manager	2	\$125	\$250	
Task 6: total cost		Ü			\$750	
Task 7: Develop Meter Installation Phasing Plan						
	Project Engineer	Chief Engineer	8	\$125		direct management of installation process
	WCWD	General Manager	8	\$125	\$1,000	local liaison during meter installation
Task 7: total cost			8		\$2,000	
Task 8: Environmental Documentation						
See "Maybert Road Distribution Line Improvements" Environmental						
Documentation						
Task 9: Permitting						
See "Maybert Road Distribution Line Improvements" Permitting						
Budget Category (d): C	Construction/Implement	ntation				
Task 10: Pre-construction Contracting - Request For Proposal						
through Notice to Proceed						
Task 10: total cost					N/A	Included in budget for Maybert Road
Task 11:Mobilization and Site Preparation						
						Included in construction estimate, below -
Task 11: total cost						based on Engineers formula
		6				
T 1 40 D 1 + C + + 1 - 1 + 1 + 1	D : . E :	Construction	2.4	#0 5	#2.200	DI . 1.1 0 1 1.1 1
Task 12: Project Construction - Meter Installation	Project Engineer	Inspector	24	\$95		Photo recordation & as built drawings
Preliminary engineer's estimate of construction cost			24		\$91,080	
Task 12: total cost			24		\$93,360	
Task 13: Performance Testing & Demobilization	Project Engineer	Chief Engineer	8	\$125	\$1,000	
Task 13: Performance Testing & Demobilization Task 13: total cost	, 0	Cinei Engineer	8	φ123	\$1,000	
1 ask 13: total cost			0		\$1,000	
Budget Category (e): Environmental						
Compliance/Mitigation/Enhancement	not applicable				N/A	
Compilance, mugation, Emilancement	ποι αρρικασιε				1 1/ 11	
Budget Category (f): (Construction Administ	ration				
Task 14: Direct Construction Administration	Jonatucuon ruminist		Т			
Then I is a sect conference in remaining trade						

				1		Estimate based on number of meters,
						rather than a percentage of cost of meters
		Chief Engineer	32	\$125	\$4,000	and installation
		General Manager	8	\$125	\$1,000	and mstanation
Task 14: total cost		Octiciai Managei	32	ψ123	\$5,000	
Task 14. total cost			32		φο,οοο	
Budget Category	y (g): Other Costs			l.		
Task 15: Develop and Maintain CABY Project-specific web page	(8). 0 2222					
7 1 10	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	48	\$55	\$2,640	
	CABY	IT	24	\$95	\$2,280	
	Nevada City	Support Staff	8	\$45	\$360	
Task 15: total cost	,	11			\$6,580	
Task 16: Data Management						
	WCWD	General Manager	2	\$125	\$250	On site
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24	\$55	\$1,320	
	Nevada City	Support Staff	8	\$45	\$360	Unforseens
Task 16: total cost					\$2,730	
Budget Category (f): Construction	on/Implementation	Contingency				
%15 contingency of Tasks 8, 9 and 10					\$0	
Total Cost of Element			72		\$133,420	
100000 (0000000000000000000000000000000						
ASSUMPTIONS:						
Limited existing written plans, specifications and design documents & age of	facility necessitate land	surveying and engineerin	ig service.	s as for a n	iew project.	
NOTES:						
The Environmental Documentation for this task will include all WCWD Pr	rojects 1 - 5, as these co	osts do not need to reoccu	ir for eac	h individu	al project.	
Stormwater Pollution Prevention Plan (SWPP) - Project Engineer is certified	in preparation of all nee	cessary SWPPP docume	entation a	and permit	ting	
requirements. Note that the costs associated with this task will cover all WCW	D Projects 1 - 5, as the	ese costs do not need to r	eoccur fo	r each indi	vidual project.	
The contract negotiated as part of this task will result in the identification of a		will administer and su	bcontract	as require	ed to complete	
all 5 contracts within the WCWD Proposal - this task will not be repeated for	each project.					
Mobilization and site preparation, project construction (labor and materials), o	lirect construction admir	nistration, and contingen	ıcy are in	cluded in 1	the engineers	
calculation of probable project construction cost.						

Downtown Leak Detection and Repair	r (Needs Assessment and Feasil	blity Study with Repair o	f Critica	ıl Leaks	;)	
Description		Staff	Hours	Rate	Cost	Notes
D. J. a. C.	to a mark (a) Discret Desiret Adminis	and Costs				
	tegory (a) - Direct Project Adminis	stration Costs	ı			
Task 1 - Administration and Management	WIOWID	0 115		Ø4.05	8500	
	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24 40	\$55 \$45	\$1,320 \$1,800	
Task 1: total cost	Nevada City	Support Staff	40	\$45	\$1,800	
T ask 1: total cost					\$4,420	
Task 2 - Labor Compliance Program						
	North Valley Labor Compliance Services	Staff			\$2,500	Calculated as a percentage based on type and duration of project as well as the nature of the construction activities
Task 2: total cost					\$2,500	
Task 3 - Reporting						
1 ask 5 - Reporting	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24	\$55	\$1,320	
	Nevada City Support Staff	oupport our	12	\$45	\$540	
Task 3: total cost	- in the state of				\$3,160	
Task 1-3: total cost					\$10,080	
	<u>'</u>			'	ĺ	
	get category (b): Land Purchase/Ea	sement				
not applicable					N/A	
Budget Category (c): Pla	nning/Design/Engineering/Envir	onmental/Documentation				
Task 4: Field Assessment and Evaluation (Planning)						
Task 4.1 Prepare Leak Detection and Repair Needs Assessment						
	Utility Line Location and Leak Detection/Repair	Crew			\$3,500	Crew of five, plus equipment and 10% consumables, assume \$3500 for a full week completing mapping and detection activities - includes lodging for crew and per diem in Grass Valley
	Project Engineer	Chief Engineer	12	\$125	\$1,500	
	WCWD	General Manager		\$125	\$1,500	
	CABY	Project Manager		\$100	\$800	
		, ,				Create full downtown system map based on field
	CABY	GIS	_	\$ 70	\$1,120	identification and survey
	CABY	Deputy Project Manager		\$80	\$1,920	
Task 4.1: total cost			72		\$10,340	

Task 4.2 Prepare Leak Repair Feasibility Study	Project Engineer	Chief Engineer	8	\$125	\$1,000	Develop criteria and rank existing leaks
1 ask 4.2 i repair Leak Repair i casibility Study	Project Engineer	Staff Engineer	16	\$105	\$1,680	Develop Criteria and Tank existing teaks
	WCWD	General Manager	8	\$105	\$1,080	Develop criteria and rank existing leaks
	CABY	Project Manager	8	\$100	\$1,000	Develop criteria and rank existing leaks
		, ,				
	CABY	Deputy Project Manager	24	\$80	\$1,920	
	Utility Line Location and Leak Detection/Repair	Manager	8	\$150	\$1,200	
	Utility Line Location and Leak Detection/Repair	Senior Engineer	8	\$135	\$1,080	
Task 4.2: total cost		•	80		\$8,680	
Total Task 4					\$19,020	
Task 5. Final Design & Engineering for Province						
Task 5: Final Design & Engineering for Repairing Detected Critical Leaks		Chief Engineer	12	\$125	\$1,500	Engineering
Detected Gridea Leaks		Staff Engineer	16	\$105	\$1,680	Engineering
Task 5: total cost		5 8	28	4-00	\$3,180	
Task 6: Permits (See Maybert Road Project)					ì	
Task 6: total cost						Included in budget for Maybert Road
Task 7: Pre-Construction Contracting	Category (d): Construction/Imple	Chief Engineer	0	\$125	¢1.000	
Task 7: Pre-Construction Contracting Task 7: total cost		Chief Engineer	8 8	\$123	\$1,000 \$1,000	Engineers estimating and specifications
Task 7, total Cost			0		φ1,000	
Task 8: Mobilization and Site Preparation- Leak Repair						
Task 8: total cost					N/A	Included in estimate from utility line
Task 9: Project Construction		0. CF :	20	#40 5	#2.400	DI
	WCWD	Staff Engineer General Manager	20 8	\$105 \$125	\$2,100 \$1,000	Photo recordation & 'as built' drawings Field direction and liaison with property owners
	wcwb	General Manager	0	\$123	\$1,000	Remote location, distance to staging area and
						experience in areas with similar aged systems and lack of system information taken into account - also the probability that at least half the high priority repairs will involve replacement rather than repair -
	Utility Line Location and Leak					construction administration is included at a ratio of
	Detection/Repair	Crew			\$75,466	5% (based on previous experience with similar jobs
Task 9: total cost			28		\$78,566	
1 ash 7, total Cost			20		φ/0,000	
Task 10: Performance Testing & Demobilization		Construction Inspector	32	\$95	\$3,040	Const Management
Task 10: total cost		<u> </u>	32	-	\$3,040	Ü
Budget Category (e): Er	nvironmental Compliance/Mitigat	ion/Enhancement- N/A				

F 1 44 D' + C + + 1 1 1 1 1 1 1		nistration				
Task 11: Direct Construction Administration	0 , 1,					
			l			On site for Project Engineer- construction
						administration for construction company included in
		Chief Engineer	16	\$125	\$2,000	1 .
		General Manager	8	\$125	\$1,000	
Task 11: total cost		8	24		\$3,000	
	Budget Category (g): Other Cost	S				
Task 12: Develop and maintain CABY Project-						
specific web page						
	WCWD	General Manager	4	\$125	\$500	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	48	\$55	\$2,640	
	CABY	IT	24	\$95	\$2,280	
	Nevada City	Support Staff	8	\$45	\$360	
Task 12: total cost		• •			\$6,580	
Task 13: Data Management						
	WCWD	General Manager	2	\$125	\$250	
	Nevada City	Project Manager	8	\$100	\$800	
	CABY	Support Staff	24	\$55	\$1,320	
	Nevada City	Support Staff	8	\$45	\$360	
Task 13: total cost					\$2,730	
Task 14: Mapping	GIS Specialist	Lead Technician	72	\$70	\$5,040	
		GPS Hardware			\$2,300	
Task 14: total cost					\$7,340	
Budget Category (f): Construction/Implementation Contingency						
%15 contingency of Tasks 8, 9 and 10					\$0	Unforseens
Total Cost of Element			200		\$134,536	

ASSUMPTIONS: -Limited existing written plans, specifications and design documents & age of facility necessitate land surveying and engineering services as for a new project. -Additionally, gathering information to verify the existing facilities increases cost beyond that of a new project. Rates account for prevailing wage rates -The Environmental Documentation for this task will include all WCWD Projects 1 - 5, as these costs do not need to reoccur for each individual project. -Stormwater Pollution Prevention Plan (SWPP) - Project Engineer is certified in preparation of all necessary SWPPP documentation and permitting requirements. Note that the costs associated with this task will cover all WCWD Projects 1 - 5, as these costs do not need to reoccur for each individual project. -The contract negotiated as part of this task will result in the identification of a General Contactor who will administer and subcontract as required to complete all 5 contracts within the WCWD Proposal - this task will not be repeated for each project. -Mobilization and site preparation, project construction (labor and materials), direct construction administration, and contingency are included in the engineers calculation of probable project construction cost.

Budget Workplan Outline

Washington County Water District

Rural/DAC Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Project

Task No.	Task Description	General Manager	CABY Project Manager	CABY Project Coordinator	Project Engineer	NC/DEH	IT	CABY Research Tecnician	Office Manager	Graphics	Office Assistant	Labor Total	Other Direct Costs	Grand Total
	Hourly Ra	te \$125.00	\$100.00	\$75.00	\$125.00	\$50.00	\$95.00	\$45.00	\$40.00	\$75.00	\$30.00			
Budget Category (a):	Direct Project Administration Costs (CABY + Sponsor, 5% of total													
Task 1 Ad	ministration and Management		20	24							40			
Task 2 Lab	bor Compliance Program	N/A												
Task 3 Rep	porting	4	16	24	4			12	!	2	24			
	Total Hou	rs 4	36	48	4	0	0		. 0	2	64			
	Hourly Ra			75	125	50	95			75				
	Total Co	st 500	3600	3600	500	0	0	540	0	150	1920	\$10,810.00	\$0.00	\$10,810.0
Budget Category (b):	: Land Purchase/Easement NOT APPLICACBLE													
	Total Hou	rs 0	0	0	0	0	0	C	0	0	0			
	Hourly Ra			75	125	50	95			75				
	Total Co			0	0	0	0			0			\$0.00	\$0.0
Budget Category (c):	Planning/Design/Engineering/Environmental Documentation	3		-	•		-	-		-		*****	*****	*****
	NOT APPLICACBLE													
	Total Hou	rs 0	0	0	0	0	0	C	0	0	0			
	Hourly Ra			75	125	50	95			75				
	Total Co	st 0	0	0	0	0	0	C	0	0	0	\$0.00	\$3,675.00	\$3,675.00
Budget Category (d):	: Construction/Implementation													
	NOT APPLICACBLE			•			•			•				
	Total Hou			0	0	0 50	0		-	0	-			
	Hourly Ra Total Co			75 0	125 0	0	95 0			75 0			\$0.00	\$0.00
Budget Category (e):	: Environmental Compliance/Mitigation/Enhancement	St U	- 0	0	0	0			, ,		0	ψ0.00	ψ0.00	ψ0.00
	NOT APPLICACBLE													
	Total Hou	rs 0	0	0	0	0	0	C	0	0	0			
	Hourly Ra			75	125	50	95			75				
	Total Co	st 0	0	0	0	0	0	C	0	0	0	\$0.00	\$0.00	\$0.00
Budget Category (f):	Construction Administration													
	NOT APPLICACBLE													
	Total Hou			0	0	0	0			0				
	Hourly Ra			75	125	50	95			75				•
Budget Category (a)	Total Co	st 0	0	0	0	0	0	C	0	0	0	\$0.00	\$0.00	\$0.00
Budget Category (g): Task 4 Wa	ater Shortage Response Feasability Study and Action Plan	24	12	160	24			40	1	12	4			
	egrated Capital Improvement Plan	16		40	16	8		40	•	12				
	egrated Customer Water Use Efficiency Initiative		·	.0		ŭ								
6.1 Pul	blic Outreach		16	16				8	1	12	. 8		\$200.00	
6.2 Edi	ucation and Workshop Activities	16		40				16		24			\$75.00	
6.3 Dis	stribution of Retrofit Kits	16		4									\$2,600.00	
6.4 Co	mprehensive Drought Action Plan	8	16	128	8	8		8	1	24	. 8		\$300.00	
Task 7 Org	ganizational Audit	24	80	80	24	16		40)	12	12		\$500.00	
	velop and Maintain CABY Project-specific Webpage			4			20				4			
Task 9 Da	ta Management		2	16				12						
	Total Hou			488	72	32	20			84				
	Hourly Ra			75	125	50	95			75			60.00	000 110 0
Budget Category (b)	Total Co: Construction/Implementation Contingency	st 13000	14600	36600	9000	1600	1900	5580	0	6300	1560	\$90,140.00	\$0.00	\$90,140.0
N/A														
14/	Total Hou	rs 0	0	0	0	0	0	C	0	0	0			
	Hourly Ra			75	125	50	95			75				
	Total Co			0	0	0	0			0			\$0.00	\$0.0
Budget Category (i):	Grand Total (Sum Rows (a) through (h) for each column)											+2.00	\$2.00	\$3.0
	Total Hou			536	76	32	20	136	0	86	116			
	Total Co	st \$13,500.00	\$18,200.00	\$40,200.00	\$9,500.00	\$1,600.00	\$1,900.00	\$6,120.00	\$0.00	\$6,450.00	\$3,480.00	\$100,950.00	\$3,675.00	\$104,625.0

BUDGET B: Line Item Budget

Project Name: Grizzly Flats Community Services District

Reservoir Relining

Pre- Construction Contracting 80 100 40 40 40 40 40 40	Task N	lo. Task Description		General Manager	T3 Operator	T2 Operator	NV City Project Manager	CABY Support Staff	ІТ	Office Manager	Office Assistant	Labor Total	Other Direct Costs	Requested	% Funding Match	Total
Table		Ho	ourly Rate	\$50.00	\$40.00	\$40.00	\$100.00	\$55.00	\$95.00	\$40.00	\$30.00					
Tail 2 Lidor Compliance Programme Compliance Progra	Budget Categor	y (a): Direct Project Administration Costs (CABY + Sponsor, 5% of total project)														
Task 2 Megorting	Task 1	Administration and Management		100	100					20						
Total Pours	Task 2	Labor Compliance Program		2	2					1			\$9,500.00			
Possible	Task 3	Reporting		40	20					10						
Total Four Tot		Ī	Total Hours	142	122	0	0	0		0 31	0					
Total Hours		F	Hourly Rate													
Total Flowing Flate Flatening Place Flaten			Total Cost	7100	4880	0	0	0		0 1240	0	\$13,220.00	\$9,500.00	\$0.00	\$22,720.00	\$22,720.00
Principal Prin	Budget Categor															
Total Cost																
													••••			
Permitting (Assessment and Sirolatoricy) Match System (Assessment and Sirolatoricy) Match System (Assessment and Sirolatoric) Match System (Assess	Budget Cetegor		Total Cost	0	0		0			0	0	\$0.00	\$0.00	\$0.00		
Segmenting and bosiget for Reservoir Uning. Match Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, and SCADA Equipment Engineering and Design for Reservoir Uning. Pump Station, an	buuger Categor														P7 044 00	
Environmentation (a)ready completed)																
Sum															\$34,203.00	
Total Hours 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Task 4												\$6 500 00		\$6,500,00	
Hourly Rate 50	TOSK "												ψ0,500.00		ψ0,000.00	
Hourly Rate 10		Ī	Total Hours	0	0	0	0	0		0 0	0					
Task S Pre Construction/Implementation S S Pre Construction S S S Pre Construction S S S S S S S S S				50		40										
Task 5 Pre Construction Contracting 80 100 40 Task 6 Mobilization and Site Preparation 2 8 8 Task 7 Construction-Installation of Reservoir Lining, Pump Station, and SCADA Equipment 2 8 8 Task 7 Construction-Installation of Reservoir Lining, Pump Station, and SCADA Equipment 2 8 8 Task 7 Construct Pump Station Reservoir Lining, Pump Station, and SCADA Equipment 2 8 8 Task 7 Construct Pump Station Reservoir Lining, Pump Station, and SCADA Equipment Spanning													\$6,500.00	\$6,500.00	\$68,519.00	\$75,019.00
Task 6 Mobilization and Site Preparation 6.1 Water level draw down 7.1 Construct Pump Station, and SCADA Equipment 7.2 Exervaler/Compact Reservoir Lining, Pump Station, and SCADA Equipment 7.1 Construct Pump Station 7.2 Exervaler/Compact Reservoir Lining 7.3 Construct Pump Station 7.4 Pour Concrete Curb & Install Chail Linik Fence 7.5 Install Reservoir Indurent Flow Meter improvements 7.6 Install Reservoir Indurent Flow Meter improvements 7.7 Train Operators 7.6 Install SCADA Equipment and Test 7.7 Train Operators 7.8 Install Reservoir Indurent Flow Meter improvements 7.9 Install Reservoir Indurent Flow Meter improvements 7.0 Install Reservoir Indurent Flow Meter improvements 7.0 Install Reservoir Indurent Flow Meter improvements 7.0 Install Reservoir Indurent Flow Meter improvements 8 Nonthorn Plan and Test 9 September 1	Budget Categor	y (d): Construction/Implementation														
Task	Task 5	Pre Construction Contracting		80	100					40						
Table Tabl	Task 6	Mobilization and Site Preparation														
7.1 Construct Pump Station S29,000.00	6.1	Water level draw down		2	8	8										
7.2 Exavate/Compact Reservoir \$79,775.00 \$79,775.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.00 \$79,775.00 \$111,711.0	Task 7	Construction-Installation of Reservoir Lining, Pump Station, and SCADA Equipm	ment													
Fig.	7.1	Construct Pump Station											\$29.000.00			
Fig.	7.2	Excavate/Compact Reservoir														
Fig. Install Reservoir Influent Flow Meter Imptrovements	7.3	Construct Reservoir Liner														
Final SCADA Equipment and Test	7.4	Pour Concrete Curb & Install Chain Link Fence											\$12,250.00			
Task 8 Demobilization September	7.5	Install Reservoir Influent Flow Meter Imptrovements											\$10,000.00			
Task 8 Demobilization 8 8 8 2 2 3 2 3 3 2 3 3 2 3 3	7.6	Install SCADA Equipment and Test											\$101,000.00			
8.1 Monitoring Plan	7.7	Train Operators			4	4							\$2,500.00			
Final Inspection to Determine Deficiencies																
8.3 Contractor demobilization and erosion control 8.4 Eleven-Month Warranty Inspections (Within First Year of Installation) 8.5 Deficiencies Corrected by Contractor Total Hours 102 132 12 0 0 0 0 4 2 0 Hourly Rate 50 40 40 100 55 95 40 30 Total Cost 5100 5280 480 0 0 0 1680 0 \$12,540.00 \$386,236.00 \$398,776.00 \$20,000.00 \$398,776.00 \$20,000.00 \$398,776.00 \$20,000.00 \$40,000.00 \$				8	8					2						
8.4 Eleven-Month Warranty Inspections (Within First Year of Installation) 4 4 8.5 Deficiencies Corrected by Contractor 4 4 4 7 Total Hours 102 132 12 0 0 0 42 0 Hourly Rate 50 40 40 100 55 95 40 30 Total Cost 5100 5280 480 0 0 0 1680 0 \$12,540.00 \$386,236.00 \$398,776.00 \$20,000.00 Budget Category (e): Environmental Compliance/Mitigation/Enhancement NOT APPLICACBLE				4	4											
8.5 Deficiencies Corrected by Contractor 4 4 Total Hours 102 132 12 0 0 0 42 0 Hourly Rate 50 40 40 100 55 95 40 30 Total Cost 5100 5280 480 0 0 0 1680 0 \$12,540.00 \$386,236.00 \$398,776.00 \$20,000.00 Budget Category (e): Environmental Compliance/Mitigation/Enhancement NOT APPLICACBLE	8.3	Contractor demobilization and erosion control											\$40,000.00			
Total Hours 102 132 12 0 0 0 42 0 Hourly Rate 50 40 40 100 55 95 40 30 Total Cost 5100 5280 480 0 0 0 1680 0 \$12,540.00 \$386,236.00 \$398,776.00 \$20,000.00 Budget Category (e): Environmental Compliance/Mitigation/Enhancement NOT APPLICACBLE	8.4	Eleven-Month Warranty Inspections (Within First Year of Installation)		4	4											
Hourly Rate 50 40 40 100 55 95 40 30 Total Cost 5100 5280 480 0 0 0 1680 0 \$12,540.00 \$386,236.00 \$398,776.00 \$20,000.00 Budget Category (e): Environmental Compliance/Mitigation/Enhancement NOT APPLICACBLE	8.5	Deficiencies Corrected by Contractor		4	4											
Total Cost 5100 5280 480 0 0 0 1680 0 \$12,540.00 \$386,236.00 \$398,776.00 \$20,000.00 Budget Category (e): Environmental Compliance/Mitigation/Enhancement NOT APPLICACBLE		ī	Total Hours		132											
Budget Category (e): Environmental Compliance/Mitigation/Enhancement NOT APPLICACBLE																
NOT APPLICACBLE			Total Cost	5100	5280	480	0	0		0 1680	0	\$12,540.00	\$386,236.00	\$398,776.00	\$20,000.00	\$0.00
	Budget Categor															
Total Hours 0 0 0 0 0 0 0 0																
			Total Hours	0	0	0				0 0						
Hourly Rate 50 40 40 100 55 95 40 30													# 0.00	60.00		
Total Cost 0 0 0 0 0 0 0 0 \$0.00 \$0.	Rudget Categor		rotal Cost	0	0	0	0	0		0 0	0	\$0.00	\$0.00	\$0.00		

Task No	o. Task Description	General Manager	T3 Operator	T2 Operator	NV City Project Manager	CABY Support Staff	ΙT	Office Manager	Office Assistant	Labor Total	Other Direct Costs	Requested	% Funding Match	Total
	Hourly I	ate \$50.00	\$40.00	\$40.00	\$100.00	\$55.00	\$95.00	\$40.00	\$30.00					
Task 9	Direct Construction Administration										\$35,687.45		\$35,687.45	
	Total H	ours	0	0	0	0	0	0	0					
	Hourly	Rate 50) 40	40	100	55	95	40	30					
	Total	Cost) 0	0	0	0	0	0	0	\$0.00	\$35,687.45	\$0.00	\$35,687.45	\$0.00
Budget Category														
Task 10	Develop and Maintain CABY Project-specific Webpage		3 8		8	48	24	8	8					
Task 11	Data Management	:	2		8	24		8						
	Total H	ours 10) 8	0	16	72	24	16	8					
	Hourly	Rate 50) 40	40	100	55	95	40	30					
	Total	Cost 50	320	0	1600	3960	2280	640	240	\$9,540.00	\$0.00	\$0.00	\$9,540.00	\$0.00
Budget Category	(h): Construction/Implementation Contingency													
	Total H	ours	0	0	0	0	0	0	0					
	Hourly	late 50	40	40	100	55	95	40	30					
	Total	Cost) 0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00		
Budget Category	(i): Grand Total (Sum Rows (a) through (h) for each column)													
	Total Ho				16									
	Total (ost \$12,700.0	\$10,480.00	\$480.00	\$1,600.00	\$3,960.00	\$2,280.00	\$3,560.00	\$240.00	\$35,300.00	\$437,923.45	\$405,276.00	\$156,466.45	\$0.00

BUDGET B: Line Item Budget

Project Name: Grizzly Flats Community Services District

Leak Detection and Repair

Task	No. Task Description		General Manager	T3 Operator	T2 Operator	GIS	NV City Project Manager	CABY Support Staff	Office Manager	Office Assistant	Labor Total	Other Direct Costs	Requested	% Funding Match	Grand Total
		Hourly Rate	\$50.00	\$40.00	\$40.00	\$70.00	\$100.00	\$55.00	\$40.00	\$30.00					
		,													
Budget Catego	ry (a): Direct Project Administration Costs (CABY + Sponso	or, 5% of total project)													
Task 1	Administration and Management		16	6			24	16		40					
Task 2	Labor Compliance Program		2	2					1			\$4,500.00			
Task 3	Reporting		4	24		4	16		8	40					
		Total Hours	22	2 24	0	4	40	16	9						
		Hourly Rate	50				100								
		Total Cost	1100	960	0	280	4000	880	360	2400	\$9,980.00	\$4,500.00	\$14,480.00	\$14,480.00	\$28,960.00
Budget Catego	ry (b): Land Purchase/Easement														
		Total Hours													
		Hourly Rate												4	
	() 21	Total Cost									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	ry (c): Planning/Design/Engineering/Environmental Docu	mentation													
Task 4	Assessment and Evaluation (Planning)														
	4.1 Identify Technical Needs and Requirements Distribute Specifications, Request Proposals,	and Nagatiata	8	8											
	4.2 Equipment Purchase Contract	and Negotiate	8	8					16						
	4.3 Train Staff to Use Equipment		8						2			\$5,000.00			
	4.4 Compile GIS electronic database of Water Sys	stem Infrastructure				72						\$4,600.00			
Task 5	Environmental Documentation		6	5 4					6						
		Total Hours	22	28	16	72	0	0	24	0					
		Hourly Rate	50	40	40	70	100	55	40	30					
		Total Cost	1100	1120	640	5040	0	0	960	0	\$8,860.00	\$9,600.00	\$18,460.00	\$18,460.00	\$36,920.00
Budget Catego	ry (d): Construction/Implementation														
Task 6	Pre-Construction Contracting for all Projects - Bid Adve Project Management	rtisement, Award and	50						46						
Task 7	Mobilization and Site Preparation		50	80					16						
TdSK /	7.1 Equipment Procurement		2	2 4					4			\$20,000.00			
	7.2 System survey		2	20					4			\$6,000.00			
Task 8	Implement Leak Detection and Repair Program			20								ψ0,000.00			
Tusk o	8.1 Download Logger Records onto Leak Detection	on Software	4	4											
	8.2 Prioritize Detected Leaks		7	40								\$120,000.00			
	8.3 Repair High Priority Leaks											ψ.20,000.00			
Task 9	Demobilization, Program Evaluation and Reporting		16	5 24					8						
Task 10	Direct Construction Administration		8						8						
		Total Hours	80	176	40	0	0	0	36	0					
		Hourly Rate	50	40	40	70	100	55	40	30					
		Total Cost	4000	7040	1600	0	0	0	1440	0	\$14,080.00	\$146,000.00	\$160,080.00	\$35,160.00	\$195,240.00
Budget Catego	ry (e): Environmental Compliance/Mitigation/Enhanceme	ent													
	NOT APPLICA	CBLE			·			·		·	\$0.00	·	·		
		Total Hours	0	0		0			0	0					
1		Hourly Rate													
		Total Cost	0	0		0			0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	ry (f): Direct Construction Administration														
See Task 10 ab	ove	Total Hours	0			0			0						
	ove	Total Hours Hourly Rate Total Cost	0 0 0	0		0 0 0			0	0		\$0.00	\$0.00	\$0.00	\$0.00

Task No.	. Task Description		General Manager	T3 Operator	T2 Operator	GIS	NV City Project Manager	CABY Support Staff	Office Manager	Office Assistant	Labor Total	Other Direct Costs	Requested	% Funding Match	Grand Total
		Hourly Rate	\$50.00	\$40.00	\$40.00	\$70.00	\$100.00	\$55.00	\$40.00	\$30.00					
Budget Category ((g): Other Costs														
Task 11	Develop and Maintain CABY Project-specific Webpage		4	12			10	24		40					
Task 12	Data Management		2				8	24		16					
		Total Hours	6	12	0	0	18	48	0	56					
		Hourly Rate	50	40	40	70	100	55	40	30					
		Total Cost	300	480	0	0	1800	2640	0	1680	\$6,900.00	\$0.00	\$6,900.00	\$0.00	\$6,900.00
Budget Category ((h): Construction/Implementation Contingency														
	Calculated at 15% of total construction											\$18,000.00	\$18,000.00		\$18,000.00
		Total Hours													
		Hourly Rate													
		Total Cost										\$18,000.00	\$18,000.00		\$18,000.00
Budget Category ((i): Grand Total (Sum Rows (a) through (h) for each column)											·	·		·
		Total Hours	130	240	56	76	58	64	69	136					
		Total Cost	\$6,500.00	\$9,600.00	\$2,240.00	\$5,320.00	\$5,800.00	\$3,520.00	\$2,760.00	\$4,080.00	\$39,820.00	\$178,100.00	\$217,920.00	\$68,100.00	\$286,020.00

BUDGET TABLE C: CONSTRUCTION COSTS

Engineer's Opinion of Probable Construction Costs

Project Title: Leak Detection and Repair

Item Description	Unit	Quantitiy	Unil Price	Δ	Amount
Repair	LS	20	6000	\$ 1	20,000.00
			SUBTOTAL	\$ 1	20,000.00
		15	5% Contigency	\$	18,000.00
		Con	struction Total	\$ 1	38,000.00
1					
			SUBTOTAL	\$	-
		15	5% Contingency		-
				\$	-
PRELIMINARY COST ESTIMATE				\$ 1	38,000.00

Budget Workplan Outline

Grizzly Flats Water District

Rural/DAC Integrated Water Shortage Contingency and Comprehensive Drought Preparedness Project

									CABY							
Task No	o. Task Description		General Manager	CABY Project Manager	CABY Project Coordinator	Project Engineer	NC/DEH	IT	Research	Office Manager	Graphics	Office Assistant	Labor Total	Other Direct Costs	% Funding Match	Grand Total
			=			-	ATC 00	*	Tecnician	242.22	A== 44			00010		
		Hourly Rate	\$125.00	\$100.00	\$75.00	\$125.00	\$50.00	\$95.00	\$45.00	\$40.00	\$75.00	\$30.00				
Budget Category	y (a): Direct Project Administration Costs (CABY + Sponsor, 5%	of total project)														
Task 1	Administration and Management		8	8	16							24				
Task 2	Labor Compliance Program	1	N/A													
Task 3	Reporting		4	8	24	2			4	1	2	24				
		Total Hours	12			2		0	4	1 0	2					
		Hourly Rate	125	100		125		95	45	5 40	75					
		Total Cost	1500	1600	3000	250		0	180	0	150	1440	\$8,120.00	\$0.00	\$0.00	\$8,120.00
Budget Category	y (b): Land Purchase/Easement															
	NOT APPLICACBLE															
		Total Hours	0	0	0	0	0	0	C	0	0	0				
		Hourly Rate	125	100	75	125	50	95	45	5 40	75	30				
		Total Cost	0	0	0	0	0	0	C	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00
Budget Category	y (c): Planning/Design/Engineering/Environmental Documental															
	NOT APPLICACBLE						·			·						
		Total Hours	0	0		0		0	C		0					
		Hourly Rate	125			125		95	45		75					4
	100	Total Cost	0	0	0	0	0	0	C	0	0	0	\$0.00	\$0.00	0 \$0.00	\$0.00
Budget Category	y (d): Construction/Implementation															
	NOT APPLICACBLE															
		Total Hours	0	0		0		0	(0					
		Hourly Rate Total Cost	125 0	100		125 0		95 0	45		75 0			\$0.00	\$0.00	\$0.00
Budget Category	y (e): Environmental Compliance/Mitigation/Enhancement	Total Cost				0	0			, ,	0	- 0	\$0.00	\$0.00	30.00	\$0.00
budget category	NOT APPLICABLE															
	NOT AT LICABLE	Total Hours	0	0	0	0	0	0	C	0	0	0				
		Hourly Rate	125	100		125		95	45		75					
		Total Cost	0			0		0	40		0			\$0.00	\$0.00	\$0.00
Budget Category	y (f): Construction Administration	10101 0031					-		_				*****	***************************************	,,,,,,	******
	NOT APPLICABLE															
		Total Hours	0	0	0	0	0	0	C	0	0	0				
		Hourly Rate	125	100		125		95	45	5 40	75					
		Total Cost	0			0		0	Ċ		0			\$0.00	\$0.00	\$0.00
Budget Category	y (g): Other Costs															
Task 4	Integrated Customer Water Use Efficiency Inititative															
4.1	Public Outreach			24					16	3	24			\$200.0)	
	Education and Workshop Activities		32	32					20)	32			\$75.0		
4.3	Distribution of Retrofit Kits and Toilet Rebates		24		4							40		\$11,750.0		
4.4	Comprehensive Drought and Conservation Action Plan		36	36	216	32	8		48	3	36			\$400.0)	
Task 5	Develop and Maintain CABY Project-specific Webpage				4			20				4				
Task 6	Data Management			2					12							
		Total Hours	92			32		20	96		92					
		Hourly Rate	125	100 9400		125 4000		95 1900	45		75		#c0 000 00		man acc cc	\$400.44F.00
Budget Category	y (h): Construction/Implementation Contingency	Total Cost	11500	9400	27000	4000	400	1900	4320	0	6900	3600	\$69,020.00	\$12,425.0	\$28,000.00	\$109,445.00
bauget Category	N/A															
	.4/.	Total Hours	0	0	0	0	0	0	C	0	0	0				
		Hourly Rate	125	100		125		95	45		75					
		Total Cost	0	0		0		0	40		0			\$0.00	\$0.00	\$0.00
		Total Cost	U	0	0	U	U	Ü		, 0	Ü	U	ψ0.00	, 40.00	00.00	φ0.00
Budget Category	y (i): Grand Total (Sum Rows (a) through (h) for each column)										_					
		Total Hours	104	110	400	34	8	20	100	0	94	168				
		Total Cost	\$13,000.00	\$11,000.00	\$30,000.00	\$4,250.00	\$400.00	\$1,900.00	\$4,500.00	\$0.00	\$7,050.00	\$5,040.00	\$77,140.00	\$12,425.0	\$28,000.00	\$117,565.00

Direct Cost Description

- 1 Costs for printed meeting materials, including brochures and agendas
- Costs for printed workshop materials, including curriculum, worksheets, and brochures
- 3a Costs for retrofit kits (150 @\$20/ea) and toilet rebates (50 @ \$175)
- 3b Administrative costs (2 hours/toilet and 8 hours up front @ \$35/hour)
- 4 Printed drought action plans (10 @ \$30/ea) and meeting materials and plan cds

Alta and Colfax Correlating Leak Datalogger installation and Monitoring - Supporting Cost Data

		00		0 11	O	Prop 84		PCWA
	Task	Units	Unit Costs	Total Cost	S	hare Cost	S	hare Cost
Budget Ca	tegory (a): Direct Administration Costs							
Task 1 and	l 3 Project Administration, Management and Reportin	g (combined p	er PCWA estin	nating procedur	e)			
a	Quarterly reports and invoices			\$ 3,860.00			\$	3,860.00
b	Final Report			\$ 1,450.00			\$	1,450.00
С	Overall administration (Nevada City)			\$ 7,860.00	\$	7,860.00		
	Tasks 1 and 3 Subtotal			\$ 13,170.00	\$	7,860.00	\$	5,310.00
	10% Contingency		_	\$ -	\$	-	\$	-
	Tasks 1 and 3 Total		_	\$ 13,170.00	\$	7,860.00	\$	5,310.00
	Task 2 not applicable as PCWA will do all work us	ing existing sta	ıff					
Budget Ca	tegories (b) Land Purchase/Easement and (c) Planning	g/Design/Engi	neering					
Task 4 - W	aterline Easement Determination and Task 5 (Tasks 5	.1 and 5.2) - Pla	nning /Engine	ering/Surveying	g			
b	Surveying - Alta			\$ 2,810.00			\$	2,810.00
c	Surveying - Colfax			\$ 1,670.00			\$	1,670.00
d	Monitoring Location Designation - Alta			\$ 730.00			\$	730.00
e	Monitoring Location Designation - Colfax			\$ 430.00			\$	430.00
f	Easement Determination (TASK 4)			\$ 3,070.00			\$	3,070.00
g	Engineering Review			\$ 490.00			\$	490.00
	Tasks 4 and 5 Subtotal		_	\$ 9,200.00			\$	9,200.00
	10% Contingency			\$ 920.00			\$	920.00
	Tasks 4 and 5 Total		=	\$ 10,120.00			\$	10,120.00
Budget Ca	tegory (c): Environmental Documentation							
Task 6 Env	vironmental Documentation							
a	Alta			\$ 3,040.00			\$	3,040.00
b	Colfax			\$ 1,800.00			\$	1,800.00
	Task 6 Subtotal		_	\$ 4,840.00			\$	4,840.00
	10% Contingency			\$ 484.00			\$	484.00

Task 7- Permitting (none required)

Alta and Colfax Correlating Leak Datalogger installation and Monitoring - Supporting Cost Data

	Task Units Un	nit Costs	Total Cost		Prop 84 Share Cost		PCWA Share Cost	
ask 8 (tas	sk 8.1) Equipment Procurement							
a	Equipment selection and pricing	\$	490.00			\$	490.00	
b	Labor	\$	490.00			\$	490.00	
С	Loggers - Alta	\$	50,550.00	\$	50,550.00			
d	Loggers - Colfax	\$	56,710.00		56,710.00			
e	Pipe Line Locator	\$	3,900.00	\$	3,900.00			
f	Toshiba Lap Top	\$	4,010.00			\$	4,010.0	
	Task 8.1 Subtotal	\$	116,150.00	\$	111,160.00	\$	4,990.0	
	10% Contingency	\$	11,615.00	\$	11,116.00	\$	499.0	
	Task 8.1 Total	\$	127,765.00	\$	122,276.00	\$	5,489.00	
b c d	Labor - Colfax Equipment - Alta Equipment - Colfax Task 8 2 Subtotal	\$ \$ \$	3,610.00 820.00 480.00			\$ \$ \$	3,610.0 820.0 480.0	
	Task 8.2 Subtotal	\$				\$	10,990.00	
		\$	1,099.00			\$	1,099.0	
	10% Contingency							
nok 0. Im	Task 8.2 Total	\$				\$		
	Task 8.2 Total mplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2	\$	12,089.00			\$	12,089.00	
a	Task 8.2 Total nplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs	\$ 2) \$	9,030.00			\$	9,030.0	
a b	Task 8.2 Total mplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs Labor - Alta	\$ \$	9,030.00 10,210.00			\$ \$ \$	9,030.0 10,210.0	
a	Task 8.2 Total nplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs	\$ 2) \$ \$ \$	9,030.00 10,210.00 10,210.00	\$	1,720.00	\$	9,030.0 10,210.0	
a b c	mplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs Labor - Alta Labor - Colfax Material - Alta	\$ \$ \$ \$ \$	9,030.00 10,210.00 10,210.00 1,720.00		1,720.00 1,720.00	\$ \$ \$	9,030.0 10,210.0	
a b c d e	Task 8.2 Total mplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs Labor - Alta Labor - Colfax Material - Alta Material - Colfax	\$ 2) \$ \$ \$ \$ \$	9,030.00 10,210.00 10,210.00 1,720.00 1,720.00		1,720.00 1,720.00	\$ \$ \$ \$	9,030.0 10,210.0 10,210.0	
a b c d e f	Task 8.2 Total mplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs Labor - Alta Labor - Colfax Material - Alta Material - Colfax Coordination of logger installation, locations, etc	\$ \$ \$ \$ \$	9,030.00 10,210.00 10,210.00 1,720.00 1,720.00 15,050.00		· ·	\$ \$ \$	9,030.00 10,210.00 10,210.00 15,050.00	
a b c d e	Task 8.2 Total mplement Leak Detection and Repair Program (Includes Tasks 9.1 and 9.2 Prioritize and Documentation detected leaks and repairs Labor - Alta Labor - Colfax Material - Alta Material - Colfax	\$ \$ \$ \$ \$ \$ \$	9,030.00 10,210.00 10,210.00 1,720.00 1,720.00		· ·	\$ \$ \$ \$	9,030.0	

Alta and Colfax Correlating Leak Datalogger installation and Monitoring - Supporting Cost Data

							Prop 84		PCWA
	Task	Units	Unit Costs	-	Γotal Cost		Share Cost	5	Share Cost
	Task 9 Subtotal			\$	61,980.00	\$	3,440.00	\$	58,540.00
	10% Contingency			\$	6,198.00	\$	344.00	\$	5,854.00
	Task 9 (including 9.1 and 9.2)			\$	68,178.00	\$	3,784.00	\$	64,394.00
Гask 10 - 1	Program Evaluation and Reporting								
				\$	8,650.00	\$	8,650.00		
a	Logger Download - Alta			\$	7,390.00			\$	7,390.00
b	Logger Download - Colfax			\$	4,370.00			\$	4,370.00
c	Data Analysis - Alta			\$	3,780.00			\$	3,780.00
d	Data Analysis - Colfax			\$	2,240.00			\$	2,240.00
	Task 10 Subtotal			\$	26,430.00	\$	8,650.00	\$	17,780.00
	100/ Contingon			\$	2,643.00	\$	865.00	\$	1,778.00
	10% Contingency				,				
Гаsk 11 - I	Task 10 Total Direct Construction Management has been includ	ed in the construct	ion tasks (see	\$	29,073.00	\$	9,515.00 eets)	\$	19,558.00
	Task 10 Total Direct Construction Management has been includ	ed in the construct	ion tasks (see	\$ indi	29,073.00	\$ dshe			19,558.00 3,160.00
	Task 10 Total	ed in the constructi		\$ indi	29,073.00 vidual spread	\$ dshe	eets)		
	Task 10 Total Direct Construction Management has been includ Teb Page (CABY) all tasks to create, update and maintain	ed in the constructi		\$ indi	29,073.00 vidual spread	\$ dshe	eets)		
	Task 10 Total Direct Construction Management has been includ Teb Page (CABY)	ed in the constructi		\$ indi	29,073.00 vidual spread	\$ dshe	eets)	\$	
Гаsk 12 W	Task 10 Total Direct Construction Management has been includ Yeb Page (CABY) all tasks to create, update and maintain no contingency required	ed in the constructi		\$ indi	29,073.00 vidual spread 6,320.00	\$ dshe \$	3,160.00	\$	3,160.00
Гаsk 12 W	Task 10 Total Direct Construction Management has been includ Teb Page (CABY) all tasks to create, update and maintain no contingency required Task 12 Total	ed in the constructi	\$ 6,320.00	\$ indi	29,073.00 vidual spread 6,320.00 6,320.00	\$ dshe \$	3,160.00 3,160.00	\$	3,160.00 3,160.00
Гаsk 12 W	Task 10 Total Direct Construction Management has been includ Yeb Page (CABY) all tasks to create, update and maintain no contingency required Task 12 Total ata Management (CABY)	ed in the construct	\$ 6,320.00	\$ indi	29,073.00 vidual spread 6,320.00 6,320.00	\$ dshe \$	3,160.00 3,160.00	\$	3,160.00 3,160.00
Гаsk 12 W	Task 10 Total Direct Construction Management has been included by the Page (CABY) all tasks to create, update and maintain no contingency required Task 12 Total ata Management (CABY) all tasks to gather and submit data	ed in the constructi	\$ 6,320.00	\$ indi	29,073.00 vidual spread 6,320.00 6,320.00	\$ dshe	3,160.00 3,160.00	\$ \$	3,160.00 3,160.00

PCWA Cost Share Percentage

46%

As undetected leaks are located and repaired, PCWA will incur additional labor and material costs.

Theses costs and estimated amounts of water coserved will be captured and included with quarterly/annual reports

Salary and Wages	Rate
Service Worker	\$ 49.56 Hour
Maintenance Worker II	\$ 41.13 Hour
Field Service Supervisor	\$ 60.32 Hour
Environmental Specialist	\$ 60.32 Hour
Property Specialist	\$ 61.32 Hour \$ 60.17 Hour
Water Management Specialist	\$ 60.17 Hour
Canal Operator	\$ 47.71 Hour
Engineer II	\$ 60.17 Hour
Service Truck	\$ 11.00 Hour
Vacuum Trailer	\$ 8.00 Hour
Compressor	\$ 4.00 Hour
Backhoe	\$ 4.00 Hour \$ 12.00 Hour
Large Pickup	\$ 11.00 Hour
Concrete Saw	\$ 8.00 Hour
Starter Logger Kit (40 Loggers)	\$39,500.00 Each
Additional Loggers - Alta	\$ 880.00 Each
Additional Loggers - Colfax	\$ 880.00 Each
Pipe Line Locator	\$ 3,900.00 Each
8 Inch PVC Pipe (valve riser)	\$ 6.50 Foot
Valve Box	\$ 24.90 Each
Valve Cap	\$ 17.32 Each
Toshiba Lap top	\$ 4,000.00 Each
Paving	\$ 11.00 Sq Ft

Budget category (a): Direct Project Administration Costs - PCWA does its own repair work so no Labor Compliance (Task 2) is required

Task 1 PCWA routinely combines these tasks

Task 3 for estimating purposes

Project Administration and Management

Alta Colfax

Task	Employee assigned	Hours		abor Rate	Sub-Total	Alta** 62.80%	Colfax 37.20		Sı	ub-Total		ounded up nearest \$10	ounded up nearest \$10		Grand Total
Quarterly reports and invoices Final Report Project Applicant	Water Management Specialist Water Management Specialist see below	64 24	\$ \$	60.17 60.17	\$ \$ 3,850.88 \$ 1,444.08	\$ 2,419.00 \$ 907.00	, , -	2.00 3.00		3,851.00 1,445.00		2,420.00 910.00	1,440.00 540.00	\$ \$	3,860.00 1,450.00
						109	Sub-To continge%		\$	5,296.00	\$	3,330.00	\$ 1,980.00	\$	5,310.00
							Task 1 T	otal	\$	5,296.00	\$	3,330.00	\$ 1,980.00	\$	5,310.00
							Plus Ove	erall P	M fo	or Applican	t/NC				\$7,860.00 \$13.170.00

Labor rates include all benefits

Project Applicant/Overall management

Task 1 - Admin and management Task 2 Labor Complinace (NA) Task 3 - Reporting total hours rate total cost

NC Project Manager	CABY - Support Staff	City Support Staff	Labor Total	Other Direct Costs	Grand Total
\$100.00	\$55.00	\$45.00			
20	16	80		\$100.00	
4	16				
24	32	80			
100	55	45			
2400	1760	3600	\$7,760.00	\$100.00	\$7,860.00

 $^{^{**}}$ 62.8% of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

Task 5
Planning / Engineering / Surveying

Planning / Engineering / Sur	rveying										0 11 44				Alta		Colfax		
	Task	Employee assigned	Hours		Labor Rate	٦	Total		Alta** 2.80%		Colfax** 37.20%	S	ub-Total		nded up arest \$10		unded up earest \$10		Grand Total
	Lines og Station Locations Between Logger Installations Between Logger Installations	Service Worker Maintenance Worker II Water Management Specialist Service Worker Maintenance Worker II Engineer II	20 20 16 24 24 8		\$ 49.56 \$ 41.13 \$ 60.17 \$ 49.56 \$ 41.13 \$ 60.17	\$ \$ \$ 1	991.20 822.60 962.72 ,189.44 987.12 481.36	\$ \$ \$ \$ \$ \$	623.00 517.00 605.00 747.00 620.00 303.00	\$ \$ \$	369.00 306.00 358.00 443.00 368.00 179.00	\$ \$ \$ \$ \$ \$	992.00 823.00 963.00 1,190.00 988.00 482.00	\$ \$	630.00 520.00 610.00 750.00 620.00 310.00	\$ \$ \$	370.00 310.00 360.00 450.00 370.00 180.00	\$ \$ \$	1,000.00 830.00 970.00 1,200.00 990.00 490.00
Budget Category (b) Land Pu	rchse/Easement																		
Task 4 Easement Determin	ation	Property Specialist	50		\$ 61.32	\$ 3	,066.00	\$ ^	1,926.00	\$	1,140.00 Sub-Total		3,066.00 8,504.00		1,930.00 5,370.00	\$	1,140.00 3,180.00		3,070.00 8,550.00
Locate/Mark Water I Determine Monitorin Measure Distances		Service Truck Service Truck Service Truck	16 16	Rate \$ 11.00 \$ 11.00 \$ 11.00		\$ \$	Total 176.00 176.00 264.00		Alta 2.80% 111.00 111.00 166.00	\$	Colfax 37.20% 65.00 65.00 98.00	\$ \$ \$	ub-Total 176.00 176.00 264.00	Rour to nea \$ \$	Alta inded up arest \$10 120.00 120.00 170.00	Root to no \$ \$	Colfax unded up earest \$10 70.00 70.00 100.00	\$ \$	Grand Total 190.00 190.00 270.00
						Su	b-Total	\$	388.00	\$	228.00	\$	616.00	\$	410.00	\$	240.00	\$	650.00

Task 2 Total	\$ 10,032.00	\$ 6,039.00	\$ 3,575.00	\$ 10,120.00
10% contingency	\$ 912.00	\$ 549.00	\$ 325.00	\$ 920.00
Task 2 Sub-Total	\$ 9,120.00	\$ 5,490.00	\$ 3,250.00	\$ 9,200.00

 $^{^{\}star\star}$ 62.8% of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

Task 6

Environmental Documenta	ation								Alta	Colfax		
Task	Employee assigned	Hours	Labor Rate	Total	Alta** 62.80%	Colfax** 37.20%	9	Sub-Total	ounded up nearest \$10	ounded up nearest \$10		Total
CEQA Review	Environmental Specialist	80	\$ 60.32 \$	4,825.60	\$ 3,031.00	\$ 1,795.00	\$	4,826.00	\$ 3,040.00	\$ 1,800.00	\$	4,840.00
						Sub-Total	\$	4,826.00	3,040.00	1,800.00	*	4,840.00
						10% contingency	\$	483.00	\$ 304.00	\$ 180.00	\$	484.00
						Task 3 Total	\$	5.309.00	\$ 3.344.00	\$ 1.980.00	\$	5.324.00

 $^{^{**}}$ 62.8% of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

Task 7 - Permitting: None required

Task 8 see following page for Task 8.2) Equipment Procurement (Task 8.1 in work Task	plan) Employee assigned	Hours			Labor Rate	Total		Alta 62.80%	Colfax 37.20%		Sub-Total		Alta ounded up nearest \$10		Colfax ounded up nearest \$10		Total
Equipment selection and pricing Purchase Equipment	Water Management Specialist Water Management Specialist	8		\$ \$	60.17 60.17	481.36 481.36		303.00 303.00	\$ 179.00 179.00 Sub-Total		482.00 482.00 964.00	\$	310.00 310.00 620.00	\$		\$ \$	490.00 490.00 980.00
Equipment Starter Logger Kit (40 Loggers) Additional Loggers - Alta Additional Loggers - Colfax Pipe Line Locator Toshiba Lap Top		Quantity U 1 35 42 1 1	Jnit Each Each Each Each Each	\$ \$ \$ \$	Cost/ea 39,500.00 880.00 880.00 3,900.00 4,000.00	\$ Total 39,500.00 30,800.00 36,960.00 3,900.00 4,000.00	\$ \$ \$	Alta 19,750.00 30,800.00 - 2,450.00 2,512.00	\$ Colfax 19,750.00 - 36,960.00 1,450.00 1,488.00 Sub-Total	\$ \$ \$ \$	Sub-Total 39,500.00 30,800.00 36,960.00 3,900.00 4,000.00 115,160.00	to 1 \$ \$ \$ \$	Alta ounded up nearest \$10 19,750.00 30,800.00 - 2,450.00 2,520.00 55,520.00	to r	Colfax bunded up nearest \$10 19,750.00 - 36,960.00 1,450.00 1,490.00 59,650.00	\$ \$ \$	Total 39,500.00 30,800.00 36,960.00 3,900.00 4,010.00 115,170.00
								10		\$	116,124.00 11,612.40 127,736.40	\$	56,140.00 5,614.00 61,754.00	\$	60,010.00 6,001.00 66,011.00	\$	116,150.00 11,615.00 127,765.00

62.8% of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

Task 8.2 System Insta

em Installation and Test see following page fo	ring (Logger Deployment) or rest of Task 8.2		Labor			Alta**	Colfax**		R	Alta Rounded up	R	Colfax ounded up		
Task	Employee assigned	Hours	Rate		Total	62.80%	37.20%	Sub-Total	to	nearest \$10	to	nearest \$10		Total
Program Loggers Configure Computer Deploy Loggers Deploy Loggers	Water Management Specialist Water Management Specialist Service Worker Maintenance Worker II	16 24 80 80	\$ 60.17 \$ 60.17 \$ 49.56 \$ 41.13	\$ \$ \$	962.72 1,444.08 3,964.80 3,290.40	\$ 907.00	\$ 358.00 \$ 538.00 \$ 1,475.00 \$ 1,224.00 Sub-Total	\$ 1,445.00 \$ 3,965.00	\$ \$ \$	610.00 910.00 2,490.00 2,070.00 6,080.00	\$ \$ \$	1,480.00	\$ \$ \$	970.00 1,450.00 3,970.00 3,300.00 9,690.00
Equipment Large Truck Vacuum	Service Truck Vacuum Trailer	Hours Rate 80 \$ 11.00 50 \$ 8.00		\$	Total 880.00 400.00	Alta 62.80% \$ 553.00 \$ 252.00	Colfax 37.20% \$ 327.00 \$ 148.00		to \$	Alta counded up nearest \$10 560.00 260.00	to \$	Colfax ounded up nearest \$10 330.00 150.00		Total 890.00 410.00
							Sub-Total	\$ 1,280.00	\$	820.00	\$	480.00	\$	1,300.00
							• .	\$ 10,944.00 \$ 1,094.40	\$	6,900.00 690.00		4,090.00 409.00	\$	10,990.00
							iask 6 lotai	\$ 12,038.40	\$	7,590.00	\$	4,499.00	Þ	12,089.00

^{** 62.8%} of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

PCWA computations include portion of work efforts and materials included in Task 8.2 and and all of Task 9

The logic of estimation required splitting of task calculations 8.2 System Installation and Testing

Task 8.2 System Installation and Testing	–												_	.,		
Task 9 Implement Leak Detection and Repair Progran	n (Includes Task 9.1 and 9.2)		Labor				Alta**	Colfax**			Alta	a unded up		lfax unded up		
Task	Employee assigned	Hours	Rate		Total La	or	50.00%		, ;	Sub-Total		nearest \$10				Total
Coordination of logger installation, locations, etc	Water Management Specialist	250 \$	60.17		\$ 15,042	50	\$ 9,447.00	\$ 5,596.00	\$	15,043.00	\$	9,450.00	\$	5,600.00	\$	15,050.00
Documentation of leaks and repairs	Water Management Specialist		60.17		\$ 9,025	50	\$ 5,669.00	\$ 3,357.00		9,026.00		5,670.00	\$	3,360.00		9,030.00
Installation of Monitoring Sites			49.56					\$ 5,575.00				5,580.00	\$	5,580.00		11,160.00
Installation of Monitoring Sites	Maintenance Worker II	225 \$	41.13		\$ 9,254	25	\$ 4,628.00	\$ 4,627.00		9,255.00		4,630.00	_	4,630.00		9,260.00
25 sites in each jurisdiction								Sub-Total	\$	44,475.00	\$	25,330.00	\$	19,170.00	\$	44,500.00
Construction Administration included in estimate	e of total hours at 10% which is o	consistent v	with PC\	VA docum	ented exp	erienc	ce									
												Alta		Colfax		
											Ro	ounded up	Ro	ounded up		
Equipment		Hours	Rate		Total		Alta	Colfax	,	Sub-Total	to r	nearest \$10	to r	nearest \$10		Total
Service Truck		225 \$	11.00		\$ 2,475	00	\$ 1,238.00	\$ 1,237.00	\$	2,475.00	\$	1,240.00	\$	1,240.00	\$	2,480.00
Vacuum Trailer			8.00		\$ 1,800			\$ 900.00		1,800.00		900.00	\$	900.00		1,800.00
Backhoe			12.00			00				480.00		240.00		240.00		480.00
Compressor			4.00			00				160.00		80.00		80.00		160.00
Concrete Saw		40 \$	8.00		\$ 320	00	\$ 160.00			320.00	_	160.00	_	160.00	_	320.00
								Sub-Total	\$	5,235.00	\$	2,620.00	\$	2,620.00	\$	5,240.00
												Alta		Colfax		
												ounded up		ounded up		
Material	C	Quanity U		Cost/ea	Total		Alta	Colfax		Sub-Total	to r	ounded up nearest \$10	to r	ounded up nearest \$10		Total
8 Inch PVC Pipe (valve riser)	C	200 F	eet	\$ 6.50	\$ 1,300		\$ 650.00	\$ 650.00	\$	1,300.00	to r	ounded up nearest \$10 650.00	to r \$	ounded up nearest \$10 650.00		1,300.00
8 Inch PVC Pipe (valve riser) Valve Box	C	200 Fe 50 Ea	eet ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245	00	\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00	\$ \$	1,300.00 1,245.00	to r \$ \$	ounded up nearest \$10 650.00 630.00	to r \$ \$	ounded up nearest \$10 650.00 630.00	\$	1,300.00 1,260.00
8 Inch PVC Pipe (valve riser)	C	200 F	eet ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245		\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00 \$ 433.00	\$ \$ \$	1,300.00 1,245.00 866.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00	\$ \$	1,300.00 1,260.00 880.00
8 Inch PVC Pipe (valve riser) Valve Box	C	200 Fe 50 Ea	eet ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245	00	\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00 \$ 433.00	\$ \$	1,300.00 1,245.00 866.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00	\$ \$	1,300.00 1,260.00
8 Inch PVC Pipe (valve riser) Valve Box	C	200 Fe 50 Ea	eet ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245	00	\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00 \$ 433.00	\$ \$ \$	1,300.00 1,245.00 866.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00	\$ \$	1,300.00 1,260.00 880.00
8 Inch PVC Pipe (valve riser) Valve Box	C	200 Fe 50 Ea	eet ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245	00	\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00 \$ 433.00	\$ \$ \$	1,300.00 1,245.00 866.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00	\$ \$	1,300.00 1,260.00 880.00
8 Inch PVC Pipe (valve riser) Valve Box	C	200 Fe 50 Ea	eet ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245	00	\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00 \$ 433.00	\$ \$ \$	1,300.00 1,245.00 866.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00 1,720.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00 1,720.00	\$ \$	1,300.00 1,260.00 880.00
8 Inch PVC Pipe (valve riser) Valve Box		200 Fe 50 Ea	eet ach ach	\$ 6.50 \$ 24.90	\$ 1,300 \$ 1,245	00	\$ 650.00 \$ 623.00	\$ 650.00 \$ 622.00 \$ 433.00	\$ \$ \$	1,300.00 1,245.00 866.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00 1,720.00	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00 1,720.00	\$ \$	1,300.00 1,260.00 880.00 3,440.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap		200 Fe 50 E: 50 E:	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00	\$ \$ \$ \$ \$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00	to r \$ \$ \$ Ro	nunded up nearest \$10 650.00 630.00 440.00 1,720.00 Alta punded up	to r \$ \$ \$	ounded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax ounded up	\$ \$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00	\$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total	to r \$ \$ \$ Ro to r \$	nunded up nearest \$10 650.00 630.00 440.00 1,720.00 Alta nunded up nearest \$10	to r \$ \$ \$ Ro to r \$	ounded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax ounded up nearest \$10	\$ \$	1,300.00 1,260.00 880.00 3,440.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00	\$ \$ \$ \$ \$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total 8,800.00	to r \$ \$ \$ Ro to r \$	eunded up nearest \$10 650.00 630.00 440.00 1,720.00 Alta nunded up nearest \$10 4,400.00	to r \$ \$ \$ Ro to r \$	conded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax conded up nearest \$10 4,400.00	\$ \$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00	\$ \$ \$ \$ \$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total 8,800.00	to r \$ \$ \$ Ro to r \$	eunded up nearest \$10 650.00 630.00 440.00 1,720.00 Alta nunded up nearest \$10 4,400.00	to r \$ \$ \$ Ro to r \$	conded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax conded up nearest \$10 4,400.00	\$ \$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00	\$ \$ \$ \$ \$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total 8,800.00	to r \$ \$ \$ Ro to r \$	eunded up nearest \$10 650.00 630.00 440.00 1,720.00 Alta nunded up nearest \$10 4,400.00	to r \$ \$ \$ Ro to r \$	conded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax conded up nearest \$10 4,400.00	\$ \$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00	\$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total 8,800.00	to r \$ \$ \$ \$ \$ \$ \$ \$ \$	Alta punded up nearest \$10 650.00 630.00 440.00 Alta punded up nearest \$10 4,400.00 4,400.00	to r \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	conded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax conded up nearest \$10 4,400.00	\$\$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00 Alta \$ 4,400.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00 Sub-Total	\$ \$ \$ \$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total 8,800.00	tor	Alta punded up nearest \$10 650.00 630.00 440.00 Alta punded up nearest \$10 4,400.00 4,400.00	tor \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	conded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax bunded up nearest \$10 4,400.00 4,400.00	\$\$ \$ \$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00 8,800.00
8 Inch PVC Pipe (valve riser) Valve Box Valve Cap Outside Services		200 Fe 50 E: 50 E: Quanity U	eet ach ach	\$ 6.50 \$ 24.90 \$ 17.32	\$ 1,300 \$ 1,245 \$ 866	00	\$ 650.00 \$ 623.00 \$ 433.00 Alta \$ 4,400.00	\$ 650.00 \$ 622.00 \$ 433.00 Sub-Total Colfax \$ 4,400.00 Sub-Total	\$ \$ \$ \$ \$ \$ \$ \$	1,300.00 1,245.00 866.00 3,411.00 Sub-Total 8,800.00 8,800.00 53,121.00 5,312.10	tor \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	aunded up nearest \$10 650.00 630.00 440.00 1,720.00 Alta bunded up nearest \$10 4,400.00 4,400.00 29,670.00 2,967.00	to r \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	conded up nearest \$10 650.00 630.00 440.00 1,720.00 Colfax conded up nearest \$10 4,400.00 4,400.00	\$\$ \$ \$	1,300.00 1,260.00 880.00 3,440.00 Total 8,800.00 8,800.00

^{** 62.8%} of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

Task 10

Program Evaluation and Reporting (Two years of download and monitoring) Task	Employee assigned	Hours	Labor Rate	Total	Alta** 62.80%	Colfax** 37.20%	Sub-Total	Alta Rounded up to nearest \$10	Colfax Rounded up to nearest \$10	Total
Two-week Download Two-week Data Analysis	Canal Operator Water Management Specialist	200 100	*	\$ 9,542.0 \$ 6,017.0		0 \$ 2,238.00	\$ 9,542.00 \$ 6,017.00 \$ 15,559.00	\$ 3,780.00	\$ 2,240.00	\$ 6,020.00
Equipment Large Pickup		Hours Rate 200 \$ 11.00		Total \$ 2,200.0	Alta 62.80% 0 \$ 1,382.0		Sub-Total \$ 2,200.00	Alta Rounded up to nearest \$10 \$ 1,390.00	•	Total \$ 2,210.00
						Sub-Total	\$ 2,200.00	\$ 1,390.00	\$ 820.00	\$ 2,210.00
					1	Sub-Total 0% contingency Task 7 Total	\$ 17,759.00 \$ 1,775.90 \$ 19,534.90	\$ 1,117.00	\$ 661.00	'

^{** 62.8%} of the watermains in this study are in Alta, with the remianing 32.8% of the watermains in Colfax.

NOTE: there is no task effort associated with budget category (e): Environmental Compliance/Mitigation/Enhancement

Budget Category (f): Construction Administration has been included in the costs for Task 9 at a rate of 10% which is consistent with documented PCWA experience in the filed on similar projects

Budget Category (h): Construction Contingency has been documented in each task - please refer to all preceding spread sheets. This rate is calculated (where applicable) at a rate of 10% which is documented exper

Budget Category (g): Other

3		PCWA Engineer	CABY - Project Manager	CABY - Support Staff	CABY IT	City Support Staff	Labor Total	Other Direct Costs	Request
		\$60.17	\$100.00	\$55.00	\$95.00	\$45.00			
	Develop, activate and maintain CABY	·	·		•	•			
Task 12	project-specific web page	4	8	48	24	8			
								\$100.00	
	Total Hours	4	8	48	24	8			
	Hourly	60	100	55	95	45			
	Total Cost	241	800	2640	2280	360	\$6,320.68		\$6,320.68
Task 13	Data management	8	2	24		8			
								\$100.00	
	Total Hours	8	2	24	0	8			
	Hourly								
	Rate	60	100	55	95	45			
	Total Cost	481	200	1320	0	360	\$2,361.36	\$200.00	\$2,561.36 \$8,882.04

CABY Water Trust

Budget Category	Rate	# Units		Total	Match	ı	Requested
Category A: Di	rect Project Adn	ninistration Co	sts				
TASK 1: ADMINISTRATION & MANAGEMENT							
AR Personnel Services (rates include salaries, benefits and	Rate (\$/hour)	Number of					
related direct costs)	Kate (5/nour)	hours/units					
Project Director	56.50	25	\$	1,412.50			
Project Manager	41.45	40	\$	1,658.00			
Project Coordinator	33.51	40	\$	1,340.40			
Contract Manager	43.66	40	\$	1,746.40			
AR Personnel Services Total			\$	6,157.30	\$	<i>-</i> [\$ 6,157.30
AR Expenses							
Telephone, fax (estimated)			\$	300.00			
Supplies (laptop computer and software)			\$	1,000.00			
Travel (miles x \$/mile)	0.5	1000.00	\$	500.00			
Meeting Expenses (number of meetings $x \$)	100	4	\$	400.00			
AR Expenses Total			\$	2,200.00	\$	- (\$ 2,200.00
Subcontractors							
CABY Staff	100	20	\$	2,000.00			
Sierra Nevada Alliance			\$	500.00			
Subcontractors Total			\$	2,500.00	\$	-	\$ 2,500.00
Total Task 1			\$	10,857.30	\$	- !	\$ 10,857.30
TASK 2: LABOR COMPLIANCE PROGRAM	N	lot Applicable					
Total Task 2							
TASK 3: REPORTING							
Included in admin task above							
Total Task 3							

Budget Category	Rate	# Units	Total	Match	Requested
Category C: Planning/Desig	gn/Engineering/E	nvironmental l	Documentatio	n	•
TASK 4: ASSESSMENT & EVALUATION					
(PLANNING)					
Task 4.1: Establish Water Trust Advisory Board					
AR Personnel Services					
Project Director	56.50	40	\$ 2,260.00)	
Project Manager	41.45	146	\$ 6,051.70)	
AR Personnel Services Total			\$ 8,311.70)	\$ 8,311.70
AR Expenses Total			\$ -	\$ -	\$ -
Subcontractors					
CABY Staff	100	30	\$ 3,000.00)	
Sierra Nevada Alliance			\$ 1,000.00)	
Subcontractors Total			\$ 4,000.00	\$ -	\$ 4,000.00
Total Task 4.1			\$ 12,311.70	\$ -	\$ 12,311.70
Task 4.2: Train Advisory Board Members					
AR Personnel Services					
Project Director	56.50	60	\$ 3,390.00)	
Project Manager	41.45	36	\$ 1,490.00)	
AR Personnel Services Total			\$ 4,880.00	\$ -	\$ 4,880.00
AR Expenses					
Workshop/Training Expenses			\$ 1,000.00	\$ -	
AR Expenses Total			\$ 1,000.00	\$ -	\$ 1,000.00
Subcontractors					
CABY Staff	100	10	\$ 1,000.00)	\$ 1,000.00
Subcontractors Total			\$ 1,000.00		\$ 1,000.00
Total Task 4.2			\$ 6,880.00	\$ -	\$ 6,880.00
Task 4.3: Define Water Rights Acquisition Process					
AR Personnel Services					
Project Director	56.50	110	\$ 6,215.00)	

Budget Category	Rate	# Units	Total	Match		R	equested
Economist	100	75	\$ 7,500.00				
Project Manager	41.45	127	\$ 5,265.00				
AR Personnel Services Total			\$ 18,980.00	\$	12,000.00	\$	6,980.00
AR Expenses							
Travel (\$1000 in mileage, \$3000 lodging and food)			\$ 4,000.00				
AR Expenses Total			\$ 4,000.00	\$	3,000.00	\$	1,000.00
Total Task 4.3			\$ 22,980.00	\$	15,000.00	\$	7,980.00
Task 4.4: Develop Water Right Selection Criteria and							
Water Trust Principles							
AR Personnel Services							
Project Director	56.50	34	\$ 1,921.00				
Project Manager	41.45	60	\$ 2,487.00				
AR Personnel Services Total			\$ 4,408.00	\$	-	\$	4,408.00
AR Expenses Total			\$ -	\$	-	\$	-
Subcontractors							
CABY Staff	100	10	\$ 1,000.00				
Subcontractors Total			\$ 1,000.00	\$	=	\$	1,000.00
Total Task 4.4			\$ 5,408.00	\$	-	\$	5,408.00
Task 4.5: Identify Priority and Strategic Reaches							
AR Personnel Services							
Project Director	56.50	95	\$ 5,367.50				
River Scientist	64.6	170	\$ 10,982.00				
Project Manager	41.45	100	\$ 4,145.00				
AR Personnel Services Total			\$ 20,494.50	\$	12,000.00	\$	8,494.50
AR Expenses							
Travel (miles x \$/mile)	4,000	1	\$ 2,000.00	\$	-	\$	-
AR Expenses Total			\$ 2,000.00	\$	-	\$	2,000.00
Total Task 4.5			\$ 22,494.50	\$	12,000.00	\$	10,494.50

Budget Category	Rate	# Units		Total	Match		Match		R	equested
Task 4.6: Outreach to Build Community Support &										
Identify Willing Sellers										
AR Personnel Services										
Project Director	56.50	140	\$	7,910.00			\$	-		
Project Manager	41.45	134	\$	5,554.30			\$	-		
AR Personnel Services Total			\$	13,464.30	\$	5,000.00	\$	8,464.30		
AR Expenses										
Travel (miles x \$/mile)	1000	1	\$	500.00	\$	500.00	\$	-		
Supplies: Outreach Materials			\$	5,000.00	\$	3,500.00	\$	1,500.00		
Workshop Expenses			\$	1,000.00	\$	1,000.00	\$	-		
AR Expenses Total			\$	6,500.00	\$	5,000.00	\$	1,500.00		
Subcontractors										
Sierra Nevada Alliance			\$	10,000.00	\$	5,000.00				
Subcontractors Total			\$:	10,000.00	\$	5,000.00	\$	5,000.00		
Total Task 4.6			\$ 2	29,964.30	\$	15,000.00	\$	14,964.30		
TOTAL TASK 4			\$ 10	00,038.50	\$	42,000.00	\$	58,038.50		
Category D:	Construction/In	nplementation								
TASK 5: IMPLEMENTATION										
Task 5.1: Establish CABY Water Trust										
AR Personnel Services										
Project Director	56.50	90	\$	5,085.00	\$	2,800.00				
Project Manager	41.45	119	\$	4,915.00	\$	-				
AR Personnel Services Total			\$	10,000.00	\$	2,800.00	\$	7,200.00		
AR Expenses										
Travel (# of miles X \$/mile)	2000	1	\$	1,000.00	\$	1,000.00				
Supplies			\$	500.00						
AR Expenses Total			\$	1,500.00	\$	1,000.00	\$	500.00		
Subcontractors										
CABY Staff	100	235	\$ 2	23,500.00	\$	5,000.00				

Budget Category	Rate	# Units	Total		Match	R	equested
Subcontractors Total			\$ 23,500.00	\$	5,000.00	\$	18,500.00
Total Task 5.1			\$ 35,000.00	\$	8,800.00	\$	26,200.00
Task 5.2: Prepare Water Trust Cases							
AR Personnel Services							
Project Director	56.50	136	\$ 7,684.00	\$	6,000.00		
Project Manager	41.45	160	\$ 6,616.00	\$	-		
Attorney	100	160	\$ 16,000.00				
Water Rights Acquistion Coordinator	75	416	\$ 31,200.00				
AR Personnel Services Total			\$ 61,500.00	\$	6,000.00	\$	55,500.00
AR Expenses							
Travel (miles x \$/mile)	1490	1	\$ 745.00	\$	-	\$	745.00
AR Expenses Total			\$ 745.00	\$	=	\$	745.00
Total Task 5.2			\$ 62,245.00	\$	6,000.00	\$	56,245.00
TOTAL TASK 5			\$ 97,245.00	\$	14,800.00	\$	82,445.00
	Category G: Oth	er		-		-	
Task 6: Develop and Maintain CABY Project-Specific							
Webpage							
AR Personnel Services							
Project Manager	41.45	11	\$ 460.00			\$	460.00
AR Personnel Services Total			\$ 460.00			\$	460.00
AR Expenses							
Equipment							
Supplies							
AR Expenses Total			\$ -				
Subcontractors							
CABY Staff	100	8	\$ 800.00			\$	800.00
	55	48	\$ 2,640.00			\$	2,640.00
	95	24	2,280.00			\$	2,280.00
Subcontractors Total	250		\$ 5,720.00			\$	5,720.00

Budget Category	Rate	# Units	Total		Match	R	equested
Total Task 6			\$	6,180.00		\$	6,180.00
Task 7: Data Management							
AR Personnel Services							
Project Director	56.50	5	\$	282.50		\$	282.50
Project Manager	41.45	15	\$	637.50		\$	637.50
Project Coordinator	33.51	20	\$	670.20		\$	670.20
AR Personnel Services Total			\$	1,590.20		\$	1,590.20
AR Expenses							
Supplies							
Equipment							
AR Expenses Total							
Subcontractors							
CABY Staff	65	40	\$	2,600.00		\$	2,600.00
Subcontractors Total			\$	2,600.00		\$	2,600.00
Total Task 7			\$	4,190.20		\$	4,190.20
Project Total			\$	218,511.00	\$ 56,800.00	\$	161,711.00